

acaaagccat gaggcaagt gacacatctc gttcaataaa aactagataa ctaataaagt 240
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 ctcattctga tcaaaaatac gattatggca agtaggggtg caagggtagg cacaatctat 360
 ctcacggaag ggccttcgat cataaaacca atcaccact gcctttgcaa ttgatgtctt 420
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 ggagcaggaa agacaactct gatggatgtt ctttcaggaa gaaaaactgg aggtatcatt 180
 gaaggagata taagaatcgg aggtacccc aaagtgcaaa agacatttga aagagtttca 240
 ggttactgtg agcagaatga catacattct ccatatataa ccgttgaaga atctgtcaca 300
 tactcagctt ggttgcggtt gccaacagaa attgattctg tcacgaaagg gaaatttgtt 360
 gaagaagtcc ttgaaacaat tgaacttgat ggtataaagg attgtttagt tggcatccct 420
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<210> 31638
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<223> Clone ID: jC-gmst02400078g05d1

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catgaacatt gaagccagca tactgcagaa gaaccaaact gtgtctttgt ctgtgtctat 180
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 ttgggtacac aatgagcacc acagccacaa ggcttaatct gtcatgccgg aagccatagt 300
 aatctcttaa aaaggaacca actgattttc gttccccaaa tacgagtacc tccttctcta 360
 tgtctccata ttgggaagtt aggaggccat tcaaggacca agcagtagga caaatccagt 420
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<223> Clone ID: jC-gmst02400078h01d1

<400> 31639

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 agaaatcaaa tttcaaacc taagaatctg aagcttggtg gagaaagcaa tagcgacca 180
 atcaggctgc gaagacgacc actgaagctg ctcaatctcc gtcctggcag tgtacgcaag 240
 aatagggtca agcccaccct ccacgggttg acccatggaa gaaagggtccc aaatcagcgc 300
 ctgcgaatca tccccggccg tgcatatatg gcacgagcta tgtggggccc acgcaatcgc 360
 gttcacactc gcttggtgtc gctgcagctc caccacaggg agcgtgggaa aacgaatatc 420
 caacaccacc acctttgcac tgtccatgat tatcgtcgcc atgtagcgtg ggtcctgctt 480
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 <211> 499
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<223> unsure at all n locations
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<400> 31640

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 tccaaatgaa caagttggaa taaccagggt ctttatacat taacacaaca cacagaataa 180
 ttcccaaatt ctacatgaag actcctcaac cttttttcgc atatcccat cattatgcca 240
 ttgtggccaa tgctctgaat cagctatctg ttgttgctc acttgcatth tcgtagaggt 300
 tctgtcgac aaattgtcca cgaaatcgag gtcgttgctc agctaactc tttctgctc 360
 gatatcgaa ctttttatga aagcacctc cccttctctc tttctcttt tggcgaaatt 420
 tagttaaggc cacttccctt tgagaagtct tggtttgatc tactctgttg gcactttcac 480
 ttccactagc atcaccact 499

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<223> Clone ID: 700895275H1

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 agaaggaatc tctctacttc atggaaactt ctgcattaga agcaaccaat gttgaaaatg 180
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 gcaagaatg 249

<210> 31642
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895276H1

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 cgggtggcgcc ggcaaagggtc gcaactaacat gcgcgcgacc gtcaagagtg ctctcagag 180

catttgggtat ggccctgacc gtcccaagta cttgggtcca ttctcggagc agattccatc 240
 atacctgacc 250

<210> 31643
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 <212> DNA
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<223> Clone ID: 700895279H1

<400> 31643

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 aatgggactc tgttagcttc tcatagaaaa atggatatac ggtggtggag agcacaggca 180
 gtacgctact taatgaggtt cccaactgaa tacacatgca atttaatgaa tgaggccgcc 240
 atgctagctt tgg 253

<210> 31644
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895280H1

<400> 31644

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 aaaggtgaac ttgctctggc tcaccaagaa tgtgctatta aatggtttag tataaagggt 120
 aacaagacct gcgatgtgtg caaagaggaa gttcgaaact tacctgtcac tctattacgg 180
 atccaaagta ttcgaacatc tgaataatgg tggtaatagg actcagctgg aagatgtaaa 240
 tggata 246

<210> 31645
 <211> 249
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<223> Clone ID: 700895281H1

<400> 31645

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 ggtgaaatta aaccggaac tgatatccag tgcaattaca aagagatgca tgttaaccta 180
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 <213> Glycine max
 <223> Clone ID: 700895283H1
 <400> 31646

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 gctttgctct tgcattgctgg catcggttga agaggtttca aaggatgtga catgggttat 180
 tgtttcaatt cttgaaagga acaaattccc atatgcaatc tcattcttgc ctttaccatt 240
 ccgttcag 248

<210> 31647
 <211> 246
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 <223> Clone ID: 700895284H1
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 cacatattta atttgggtaa cccaaacaat gaggttactg ttaggcagct tgctgaaata 180
 atgattaagg tttattcaaa ggtaagtggc gaacaaactc ctgaaacacc taccgttgat 240
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<210> 31648
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 <212> DNA

<213> Glycine max

<223> Clone ID: 700895285H1

<400> 31648

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ttggcgaaat cgggtggacgc aataaaggac gccacaaga gaggtgcact gcattttgcc   180
gcgcgcgaag gccaaaccgc tgtttgcgac tacctcttaa ccgatttgaa gctctctgtc   240
gattctc                                           247

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<210> 31649

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700895286H1

<400> 31649

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gccgcacctt ctctctcgaa actccgtctt gtctacaaga acaacaattt cttctctctc   180
aggtcgaaga gtcttgcttt ctctcccttg aaggctgctg ctgctgagaa cggcggtggg   240
accgc                                           245

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<210> 31650

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700895287H1

<400> 31650

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tcaactccag cagatctgtg gtcctttgct tgcatttgct ttgagcttgc ctctggcgat   180
gttctttttg atctcatag tggtgacaac tatgataggg atgagatcat               230

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<210> 31651
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895288H1

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 tgaggcagag tgcggtgctg tgtttggctt agatgaagcg actctggaaa tggttcccaa 180
 gccagttctc gccgtgcttt ttctttatcc aattaccgcg aagtctgaag aagaaagggt 240
 gcaacag 247

<210> 31652
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895289H1

<400> 31652

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 gcttgcaact gcaagttctt cttcttcttc ttctccttc tatcttggga agggcttctc 120
 ccatcgcaaa ttgtctccca gttatcacat tcacaaaacc attgacgaat cctatgcagt 180
 tatcttcgat gctggtagca cggaagccg tgtacatgtc tatcgtttta accaacaatt 240
 agatctc 247

<210> 31653
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895290H1

<400> 31653

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 gggctatatt acagtatcct ttgcatcatt gcatatcccc tagcttggtc atggcttcaa 120

atgtgtcggg gaaagaaatt acagaaactt agagaatttg ttcgatcaga gtatgaccat 180
 gcatgcttgc gttcttgccg ttcacgagca ctttatgaag ggctgaaggt aggtgcaaca 240
 tctgatctg 249

<210> 31654
 <211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700895292H1

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 acatcaccat cgtcgcgccg cgaaaccaag ccctggcaac cgatntagcn cctgaattta 180
 agcgattcct gctctagcct cgcatatctt aggatcgctc agacgctctt gatgtctcac 240
 cttctt 246

<210> 31655
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895294H1

<400> 31655

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 gtaaagacca aagtatgatt attgttacat tatgctatat gattgtactt gtatatacat 120
 attttgccc gcctttgtaa atacaattgg gacactacta ggattgggaa gaagggtctt 180
 tacattttta gtttgcaaaa tagatattgc aactaccttt gtataaatct atttctgaag 240
 aagcaattac a 251

<210> 31656
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895273H1

<400> 31656

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 gagataatcc atctcaatct gaaagctcac tcagaaagag aattggaagc aatgtgacca 120
 aaggtgataa tctcgacgat aatactgtag atagtgcac atataatgta aaatcttcaa 180
 atgttaagga accagttaga tcaccaacaa gtcttgtgtt tggttatctc aatcttttct 240
 ctgatgga 248

<210> 31657

<211> 68

<212> DNA

<213> Glycine max

<223> Clone ID: 700895235H1

<400> 31657

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 cttcgtca 68

<210> 31658

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700895236H1

<400> 31658

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 gtctcatcag gctccatttt cactgactgtt ttgttcaggg gtgtgaogca tcaattctgc 120
 tgaacgacac ggacacgatac gtgagcgagc aaagtgcagt gccaaacaac aactcaataa 180
 gaggttttga tgttgtgaac cagatcaaga ctgcagtgga aaatgcttgt cccggcatag 240
 tttcttgt 248

<210> 31659

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700895237H1

<400> 31659

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gtcgttgctg ctctttacac tgctcctctt cggaacctta gctctcatcc aggccaagaa 120
atcgaaggag gatttgacgg aggtgaccca caaggtttac tttgatgttg agattaatgg 180
agaagaagca ggtcgtattg taatgggtct ttatgggaag gctgttccaa aaactgcaga 240
caacttcgg 249

<210> 31660

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700895238H1

<400> 31660

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cctctccgac tcacactcac tgcttccgcg cccttcaagc cccgaccctt cgcttccatc 120
ggaatctcgc cgctcccgga gaggcgccgg atgccggtgg ccggcgccgt ggaggaaagc 180
caagagagtt ccgaaccgga agcgggaagcg catttggcat cggaactgaa gaaggcgatg 240
gcggagagg 249

<210> 31661

<211> 164

<212> DNA

<213> Glycine max

<223> Clone ID: 700895239H1

<400> 31661

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atccgaatca gaaaccacaa tggccaacac taacttggaa gatgttccct ctctggatct 120
catgatctga gtccttgcg tcgttctcaa gtggctctat ccaa 164

<210> 31662

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700895240H1

<400> 31662

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agtttgcaga gaaaatctga atcatgtcgt ggcaagcgta tgtcgacgat caccttctgt 120
gtgacatcga aggtaaccac ctcactcacg ctgctatcat cggccaagac ggcagcgttt 180
gggctcagag taccgacttc cctcagttca aacctgagga gataactgcc atcatgaatg 240
actttaat 248

<210> 31663

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700895241H1

<400> 31663

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ggggaagaca catggaatgg gatctgctcg caagctcaag tcccaccgca ggaggcaaag 120
gtgggctgac aagtcataca agaaatcaca tcttggaat gaatggaaga aaccttttgc 180
tggttcatcc catgccaagg gaattgtcct tgaaaagata ggtattgagg ctaagcagcc 240
caactctgcc a 251

<210> 31664

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700895242H1

<400> 31664

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cggcctaaac ccattaccc aaaatctgtt tttggttttt attttttttc cggcaacact 120
ctttattgga tcatcttgta tttcattcct cctttacaat ttcctttcaa aaaaaatttt 180
aaaaaatatt aaaaagtgtt cttttttgtg aattttgacc catttggcca cgcacagatt 240
tcgatcttc 249

<210> 31665
 <211> 236
 <212> DNA
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<223> Clone ID: 700895243H1

<400> 31665

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 ccatgggaag gcgttctaag gcctaggtgc tgctggtgga tagagagaca ttgttgctga 180
 taacaccagc gagatcacta cgctcgacgtt aaggactacc cgggccacgt acttct 236

<210> 31666
 <211> 251
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 <213> Glycine max

<223> Clone ID: 700895244H1

<400> 31666

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 aatgcttata gttctcattt ttctgattca ttccataaag tattctatga gatatttgaa 180
 gaagcaacaa ctcaattctc atcaaatata gaggtggaga tgtctcttac ttctccgaa 240
 gcagcgagag g 251

<210> 31667
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895246H1

<400> 31667

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 ttattttggg agacgccgtc gtttcggcaa cgccggcggc gcctcctcct ccagccatgg 180

ccgccgcaga caaagcgaag cctcgaagac gatgctctcg ctccccgtga gcgtcgttgt 240
 tttggccatc gcc 253

<210> 31668
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895247H1

<400> 31668

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 tgagtccttc ttgtccctca caaaagctct aggacagca tggacattca tgatgtttgg 180
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 tcctatggag gaag 254

<210> 31669
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895248H1

<400> 31669

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 ttcagctatg ctcttctgt ttcggccaca actgaaattt cagggaatga agtgaacaca 180
 gatgggaagg tgataaatga cgagttagca aaaccaagtc taaaaggaca tgatgaagaa 240
 gcaaagttca aaggat 256

<210> 31670
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895250H1

<400> 31670

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cgatccttca cctcgcaggt ctgatttttag ttgattcggt gattcccaga taatgggaga 180
caciaaggac gaagcatacg aggaagagct tctcgattac gaggaggaag acgaaaaggc 240
ccccgac 247

<210> 31671
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<212> DNA
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<223> Clone ID: 700895251H1

<400> 31671

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cctcctcaa ctttctctct cctccccctc tccctccatc cagcacttc tccgctccaa 180
aggcttgccc cccggcctcc tcccagagga ggtgaaatcc tacagcttct ccgaaaccgg 240
ccacttgga 249

<210> 31672
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700895252H1

<400> 31672

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ttggccaaac actcccatc caagttcatt gcgagatctt ctaaagcctg gccctgcaag 180
tgttgatatc gatgatcacc ctatgcaaat tgaagaaaca cagtaccga aaaccttctt 240
ctataaag 248

<210> 31673
<211> 247

<212> DNA
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<223> Clone ID: 700895255H1

<400> 31673

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 attctgaaag tttccatcca cgattcaagt cccatgaaat gcgattcagg ctgagcaatg 180
 gtgaacctga gaagcccttg atagttcatg ttggacggct tggagttgag aagagtttag 240
 attttct 247

<210> 31674
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895258H1

<400> 31674

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 gaatgtactc tagatgaaga tctgaaagta gctgctgcat gtgatgatgt gaaagatgct 180
 actagctgct aaaattagca gagagcgcat tggaactgag attgatctga tgatatccgg 240
 aatcaacct 250

<210> 31675
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895259H1

<400> 31675

gcactggaca tgggcataat tcagaaggct gactatgaac gcatcaagaa agtgatggtt 60
 ccagcctgcg aaatggcaat aaaactatgt ggactgatg gaaaaatcgc atgcacggca 120
 tcatattgtg tttgtaatac aatattcaat tccatcatgt cacatgctgg ggatatcaat 180
 gattatggac atcagaaaga tgtgtgtagg gagccattgc tcatgatattt tcgaacttgg 240

aga

243

<210> 31676
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895260H1

<400> 31676

cgcaacacaa agaaagaatc ccaggcgagg agaaagatgg aggggaagga gcaggatgtg 60
 tcgttgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120
 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgaccc gacggagttt 180
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
 tacatca 247

<210> 31677
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895262H1

<400> 31677

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 cgtgcgcacg taaggagca ggctcgggtc tcaagtccca cacgcaccac cgcaagggcc 120
 ctgcacgctt ccggagcctg gacttcgggg agcgcaacgg ctacctcaag ggcgtggtca 180
 ccgacgtcat ccatgaccct ggccgcgggc cgccgctcgc caaggtcgcc ttccgccacc 240
 ctttcagata caag 254

<210> 31678
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895264H1

<400> 31678

tcggctcgag gggttccaaa gtcaggaccc tggttttgct ctctttgttt tgcttagctc 60

tatttgtgtc cttgcaccaa gcaagggcag caaagtcaca taataatgat aataatcata 120
 atgtggctcg cttgaagggg agaaaggagt tgaatagatg taatttggtc attggaagtt 180
 gggttattga ccttccttcc acatcctctc tatgaatctt caagctgccc ctttatagat 240
 gctgagtttg attgccaaaa gtatggg 267

<210> 31679
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895266H1

<400> 31679
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 gaagatgatg aaggagaaat ggttggttccc caggctcggt atccttgga agggagtgat 180
 cgtaattatg aatatgagga gctgcttggc aggggtgttta acattctacg tgaaaataat 240
 cctgaac 247

<210> 31680
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895267H1

<400> 31680
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 attggctgcc aaagatggca ttgattggac tgagtacaag aggcaattga agaaagcaga 120
 gcaatggaat gtcgaagtct attaatcttct gttcacttgc acaaatatca tctcctactt 180
 tatgctgcag caagtctatc aaccctcctg cgttgtgtag atatatgacg accctgtaat 240
 ttttct 246

<210> 31681
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895269H1

<400> 31681

cggtcgcagc ggctcgagcg gctcgagcgg ctcgagattt gttcccccca cagcctatac 60
 ttatggagca tacgatcaag ctctcgggag acaatcctgc tggtagctgt tggtatgatg 120
 tgatggttga tggtcctttt cctattcaga gggagttgtc tgccttattg gctaactgtg 180
 aaaagaacaa agagattgag acatgtgatg aagcaatatg tggaatcatt agaaaaatcc 240
 atgagc 246

<210> 31682

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700895270H1

<400> 31682

ggaggaggaa ggcctcgggg acggtgacct ttgcggtggc atagaggaa gctgcgacgt 60
 cataattctc ggggcagtc agcatgacct tgcggaagaa ggaggccttg ccgtagcggc 120
 tggcgccgca gtagagcgag ttcttgctgt tgttgaaggc gtcgtaggtg gcttggtatga 180
 ggtccccgca ccggaggatc agggagcggg gagaggggtg gagaggggtc agtaggcccg 240
 ccc 243

<210> 31683

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700895234H1

<400> 31683

ataaaaggga acgaacgtaa tggctgcagc agcgttgctc gaacttgatc gagttctcaa 60
 gtccaagaag gaaatgttgt cgctcggga agcaaatatt cgtctatcgt ggtaactctac 120
 ctctctaata gatctcgctg ccggtgcact tcttgggtcc gcagctgcag gggctgattt 180
 atcatttccg tacccttaat gagcgacgat gctgtctgct tactcttcta gttataggct 240
 tccctga 247

<210> 31684
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895191H1

<400> 31684

aatttgtcca aggaggaatt cgtacatata ctgcgtcgcc aaagtactgg tttctcaaga 60
 ggaagttcta aataccgagg agtaacactc cacaagtgtg gccggtggga agctcgaatg 120
 ggacaattcc ttggcaaaaa gtgaggacat atttttatat atcaacttaa gtagtgatct 180
 actgtgggta tatgagatat tatgaattta agcacctatt gggctgtaaa gtgaattggg 240
 ttcagct 247

<210> 31685
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895192H1

<400> 31685

caaaaacaaa gaaaaaaaaa aacccttagc caacacaacc atcatggcca cctctgctat 60
 tcagcaatca gcattcactg gtcaaaactgc tctgaagcag ctcaatgagt tcgtccgcaa 120
 gaccggtggc gccggcaaag gtcgcactaa catgcgcgcg accgtcaaga gtgctcctca 180
 gagcatttgg tatggccctg accgtcccaa gtacttgggt ccattctcgg agcagattcc 240
 atcatacctg 250

<210> 31686
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895194H1

<400> 31686

gttttcttgg cacagaaatg gctgtagcag actcaatatc tttccaagaa caactacttc 60
 agaggggttc ttcagctcag tttaggaagc ctctccttca tcttgtgtcc actcaagaac 120

ctctcactct cgactcgtct tctcgcgcgc cgcgcgcgc cgccaccgca caccgcttcc 60
 atcggcgcca tcgtaaccgt ctctttcttc acttgcagaa tggagtcaaa tcaggcagct 120
 tcttccatgg aagttgagac tgtcccatct gaagccaaac ttttgccacc aaagccaaag 180
 tttgagcctt tgaagcctca tgagatgtct gatggtcagg tacagttccg caaggtgaat 240
 gttccacctc at 252

<210> 31690
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895204H1

<400> 31690
 gttcacaatc ttgctcgatt tatttcagtc atgcagtttc atcctttatc ttggcgaact 60
 tcccactctt atgttatggg agatcgtttt gaagacatca ctccctcctga aaaagtgcac 120
 gcaaataata aatgtgacag aaaagtcact ctttatgggt atccttagagg ctgtaatttg 180
 aaaatgggca ataaggtgca catagcagga gtgggtgatt atcatgtagc tggtattact 240
 gct 243

<210> 31691
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895205H1

<400> 31691
 cctcgatcgg tcaaaagaac acgcaaagca aacagcagcc accacagcaa cacctagcac 60
 cacaacaact gccgccacag ccacaggcac caatatttca gcaaacatat cctccatttc 120
 atctgccgca gttccaccat caccagccga cgctgcagtt ccagcagcag cctcagccgc 180
 cacagctatt ccagcatcag gcacagccac cttccaccca acagtttcat ccttaggaat 240
 caggcccagg ct 252

<210> 31692
 <211> 162

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700895206H1

<400> 31692

actcatcatc ctatattctc ttcttgatc atcttggtta agctgcagat cagaatagaa 60
 taataataaa taaagataag atggagactc atttggtttt cttgcttggt ttgatcttca 120
 ctctagttgn acggcgattg gagcccaaga cccaagtgcc ca 162

<210> 31693
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895207H1

<400> 31693

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 cacaaagacg ccggcagcaa cccacgtgg aactaccccg tgaaattctc tgtcaacgaa 120
 tcgctggcga aggaaaatcg tttatctctt gagatcaagc tcatctccga ccgcaccctc 180
 ggcgacaccg tcatcggcac cgtccatgtt cctctcaggg aactcctgga taaccccggc 240
 gatgaca 247

<210> 31694
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895208H1

<400> 31694

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 ggctgagcca tcttctgatt cagccaaagt ccaagaactg agtgtgtatg agatcaatga 120
 gagagatcgt ggaagccctg cttatcttag attgagccag aaaactgtca attcccttgg 180
 tgatctagtc cccttcagca acaagttgta ttctggatgt ttgcaaaaga ggggtgggat 240
 aacagctgga 250

<210> 31695
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895209H1

<400> 31695

caatgtgcct gccatgtatg tggccatcca agctgtcttc tccctatatg caagtggctg 60
 cacaactggg attgttttgg actctggcga tgggtgtagt cacactgtgc caatctatga 120
 gggctatgca ctccctcatg ccattcttcg tttggatctt gctggccgtg atctgactga 180
 ctctttgatg aagatctca ctgagagagg gtacatgttc accacctctg ccgagcggga 240
 aattgttcgt ga 252

<210> 31696
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895211H1

<400> 31696

ccaacatctg cgacggaatc ctcaagctcc tcgacacgcg cctcgteccc tccgccgcct 60
 ccggcgactc caaggtcttc tacctcaaga tgaagggaga ctaccacagg tacctcgctg 120
 agttcaagac cggcgccgac cgcaaggaag ccgccgagag cacgctctcc gcctacaaag 180
 ccgctcagga cattgctaac accgagctgc ctccaactca ccctatcagg ctgggtcttg 240
 ctctgaattt ctctg 255

<210> 31697
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895212H1

<400> 31697

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 ggggtgcatt tttcaagggtg gaaggatcaa ctgttcttgc agccacagag tagaagattc 120

atattcaaat agagtaccgt gtgatgcatt aatggcgtaa tgcatttatg tgcttgtgac 180
 ggtaaggcat gcatgagggg tcatgtaaat aatgttaatg atgactatga caagagtgcg 240
 actggtggaa g 251

<210> 31698
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895213H1

<400> 31698

aaacaaaata cggtagcttg aatggtggtg ccaactttgt tgcccctggt tacaccaagg 60
 gtgatggtct tgggtgctgag attgttgga ctttcgtcct tgtttacacc gttttctccg 120
 ccaccgatgc caaacgtaac gccagagact ctacgtccc cattttggca cctttgcctc 180
 ttgggttcgc ggtgttcttg gttcacttgg caaccatccc tatcaccggc actggtatca 240
 accctgctcg tagt 254

<210> 31699
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895215H1

<400> 31699

ttcacgtact atatgtgttt gttttgcaca gcaaaaatca taatatatta taaataagat 60
 tcagcacatg tatcaatcgt atgaaggcct gatggcgact agatggaaat ggtggtggtt 120
 agcattgaca tgggtccattg gggagcacag aaatagcatt attttctctg gcagcacctt 180
 caatgcaaat caaatgatgg aggatgcagt gtctttatta tggacttggc tgagacattt 240
 agagaagggt ttt 253

<210> 31700
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895218H1

<400> 31700

aagaggtacc acaagatgaa ggacagaatc gtcggtgtct ccgaagagac caccaccggt 60
 gtcaagaggc tctaccagat gcaggccaat ggctccctct tgttccctgc catcaacgtc 120
 aatgactcgg tcaccaagag cacgtttgat aacttgtatg gataccgtca ctgcttccc 180
 gatggactga tgagagccac tgatctgatg attgccggaa cggtagctgt tgtgtgtggc 240
 ta 242

<210> 31701

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700895219H1

<400> 31701

ccaaagcacg ccaaattacc cacacgcaaa cgacaacaac cgcgcgcgtt tcacacctcc 60
 ataactcgga gtagcatacg cagcgtcgtt gactcgcaac tcgtaacttg gcctcgcgcg 120
 ccgatggcgt cggccccag caccgtcgtt cccgcacct tcttgcgcgc gattcccaag 180
 ccgagagctc ctcttcacgc cgcgaaatcc gtcgccagcg ccgcgcgaaa cttcccagaga 240
 ctttcgcaca a 251

<210> 31702

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700895220H1

<400> 31702

aggatttcaa aattgggagg ttttcgtttg aatttgtatg tccaagccac tgctaggcat 60
 aggggaggag gaagggtcaaa gcaatgtcac tttgttggtt tcttcctcag tcattcatgga 120
 aagtgtgtgc ctgaatagct caaaattgaa agagcgcaac tacatggggg tatctgattg 180
 ttcatctgtg gacagctccg cgcgcgtcctt ctcatgatg actaaaagca atctgaacct 240
 taaggct 247

<210> 31703

<211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895224H1

<400> 31703

atgagttgcc aagtactttc aaggcctacc gctaccaaca gcaccgttgg tcttgtggtc 60
 cagccaatct ttttaggaaa atggtcattg agatcataaa taacaagaaa gtgtcattgt 120
 ggaagaagat acatgtgatt tacagcttct tctttgttcg gaaggtcgta gcacacataa 180
 acacgtttgt gttttattgc attgtattac ctgcaacagt tttggtgcct gaggttgtgg 240
 tcccaaagt 249

<210> 31704
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895225H1

<400> 31704

cgtggaggtc acagaggggtg tgagaggctt ctactttcta tacatggaaa cttgtttcca 60
 attagcagtt ttgacctttt tcttcttcta agccttcaca gaatttttag gttggtgatt 120
 ttggtgtttg ccgcttcaaa actgatggca gtgtttggtt ggcaaccttg tcctttcagg 180
 tgattcctat gatctttcag tcacacacaa acacaaacat caacactggt atgagcacta 240
 gttcaacaac tta 253

<210> 31705
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895226H1

<400> 31705

ggggggctgt attagagggga cacattgacc tattaagttc tgatcattca ccaactgttc 60
 ctgaactcaa gcttatggag gaagggtgact tcttaaaggc ttgggggggc atatcttctt 120
 tgcagtttaa tcttccagtg acgtgggtcat atggtaagaa atatggacta actctggaac 180

aattgtcggtt attgtggagc aagaaacctg caacattggc ggggttagaa tcaaagggg 240
ccattgcagt t 251

<210> 31706
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700895229H1

<400> 31706

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ataacttcta ttctataagt ctttctactc gcaagcaa atcagaaga gaatggcagc 120
agcagagggg ctaaacagag cgagtagct gtacttggtg acctgtcgga gcaggcggag 180
cggtacgagg agctggtgga gttcatgcag aaggtggtgg tcgggtcgac gccggcgtcg 240
gagctcacgg tgg 253

<210> 31707
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700895230H1

<400> 31707

gccaggaaga atgtctcttc tgcaagagg acaattgctg tggataagat cactcacagg 60
gagcgatcat cgtatgtggg aaggcgact gaaaccttca cttttctgga cagtactgat 120
cctgacattt tcacaccacg ctctgccct gactcgtatg gaactgcaac atactatcgt 180
catggtagag atccttcctc tgatggtttt gctgagatac tgatgcgtca agggagtcta 240
ctcatgggtg gacaa 255

<210> 31708
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700895232H1

<400> 31708

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 aacgttaacc ctatccctta agccaaagtc atttattaag ccagagactt tcttcagaaa 120
 acctattcct aaacttcacc caaatctgat aaagcacggt cttctacatt ttccaattca 180
 caatacaatt cctacaattt caactccata agatgatttg gccgtgtcct ataaaatgat 240
 tgtacttaga acgttatcc 259

<210> 31709
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895190H1

<400> 31709

gaatagctct gctcagtgtt gctgttggac ttccaaatgt gggaggacat ttcgagactt 60
 ggaacacagg aatccttggc ccagttgtac tccgtggact taaccaagga aagttggact 120
 tatcttggca gaaatggact tatcaggttg ggctgaaagg tgaggccatg aatcttgcac 180
 ctccaaatgg tatctcttct gtagagtgga tgcagtctgc attagtttca gagaaaaatc 240
 aacca 245

<210> 31710
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895153H1

<400> 31710

gtggtggctg cgtggcactt cttggtgctg ccaaattggt gttggggttg gtggtgggaa 60
 cttctttggc acacattttg aagcagtttc ctgtggggat tttaggagtg ttgcttttgc 120
 ttgctggaat tgaactagcc atgtgtgcta gggacatgaa caccaaggaa gattcctttg 180
 tgactcttgt tatcactgca gtttcacttg tgggatcaag tgcagctctt ggctttttgt 240
 gtggaat 247

<210> 31711
 <211> 192
 <212> DNA

<213> Glycine max'

<223> Clone ID: 700895154H1

<400> 31711

cgaaaaatgt cgaagctgat cttcgtgttc ctttcgctta ttcctcttct ctgcacctcc 60
 ttctccccag agagaccctc agatcgacgc gtccctcggtt tgctcgatga cttcgccatc 120
 aaatcctctc attctctctt cttcaactcc ctcaaactc ggggcttcga tctccaattc 180
 cacacaacat ac 192

<210> 31712

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700895157H1

<400> 31712

tcttaatttc tctctgcctt gctcatttac acacctctcc aacctttcac tttcagcttt 60
 atttgaatcc ctctctctcc ttccaaatg gccagcggtg aggttgacaca tcaaacacca 120
 tcaacagttc cagaaaatga aacaaccgag gtaatcaaga cccaggaaac aaccccgga 180
 ccagtaccag ccaactgaggc tctgcaaca gaacaagcag cagctgaggt tctgctcaa 240
 gaagaacaac a 251

<210> 31713

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700895158H1

<400> 31713

ggactctcta gctagcacct ctctctattc tctccctaag tgactcctac ttcataatca 60
 gagggcatgc ctgaatgtcc agagaaagg agagatttga tgagataggg aagaagatca 120
 agagggaagg agatgtttca tctcaaagg gaagaagaca catgttaggc cctccaggaa 180
 ccctaaatac tatcaccctt tgtgcggcat gtaagttgtt gagaagaaga tgtgcccaag 240
 aat 243

<210> 31714
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895159H1

<400> 31714

ctgtgttttt ctctcgtcgt cctcctccta ttttgtttct catgcctttc atttgaatt 60
 ttttacatga tcaactaaaa aatgtactct ctgttttccg accatttgtgt ctcttaatat 120
 cagtatcaaa aagaatgttc caagttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaac aaaaagaaaa aaaatgaatt taagcaccta attgggctgt aaagtgaatt 240
 ggtttcag 248

<210> 31715
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895160H1

<400> 31715

tctcccttcg cttactgttg caccttcctc ctaaattgatt actcccgctc ggcggtgcac 60
 gccgccgatt gagtcaaca acaacaaca aaaacaccat aaaactcacc gtagcgacac 120
 acagccaaac gcgatctcaa cgatgaccag cttctgaaat tccaacttcg cccttcactc 180
 tcgtatactt ttttatttcc ggtgaggtga gttccatgcc tagtcccaag agcagccgca 240
 gcggccagat c 251

<210> 31716
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895161H1

<400> 31716

ataaactgca accgtgacaa aagttgcgta caatagcata ctcttactct gattcgttag 60
 tgaagaaaaa tggcaacaat catcgccggc accccaacta catcaatcac tcgcacaggt 120

catgtgctca aacgacctgt tggggcctca tcctctaccg ttcttggtt gccagcaatg 180
 gccaaaggcgg ggagagtggag gtgctccatg gaggaaaagc cttcaagcag ctcaaacta 240
 gggatggggg 250

<210> 31717
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895163H1
 <400> 31717

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 gtttcgtttc gtaaagcaat gaaaaaagct attgaattaa ctgaacaggc gggtagaaaa 120
 ggagttcaag taaaaattgc aggacgtatc gacggaaaag aaattgcacg tgttgaatgg 180
 atcagagaag gtagagttcc acacaacata cgagatagcg aaagggggat gtgct 235

<210> 31718
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895164H1
 <400> 31718

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 atttttattc cttctttggt tcttcacttt cttccatata cataaccatg tcttctcaga 120
 ctgttgctct caaagttggt atgtcatgtc aagggtgtgc tggagcagtg aacaggggtt 180
 tgggaaaaat ggaaggtggt gagtcatttg acattgatct gaaggagcag aaggtgacag 240
 tgaaaggaaa tgtg 254

<210> 31719
 <211> 207
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895165H1
 <400> 31719

gataatatta atggattatc agttatactt ttacacaaag caacaatttg cgaggtgagt 60
 tcttacaaac tcaaaatagc tactttagg gattaagtat aaattgttgc tttgtgtaaa 120
 agtataactg ataatattaa tggattatat tttgccaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa gggggggg 207

<210> 31720
 <211> 158
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895167H1

<400> 31720

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 aggataaggt tcacatcagt attgtagtca ttgtcctggc cgactctggg atagccacta 120
 ccactaggtg aactgattta caagctaggt tggattga 158

<210> 31721
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895168H1

<400> 31721

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 ggcttcttct tgttttcgct ccgttaattt caacaacggc caacatgggt gttctctcgc 120
 tttcatctcc cagcctctcc accgctctcc tcgcaaagaa gctgcctccc cgagaacaca 180
 cggttaagct agcgaccttt cgcaacaatt catttcgctt tagatgcgcg gtggacacgc 240
 cctatg 246

<210> 31722
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895169H1

<400> 31722

aaaccctaatt ccctatTTTT cttcctcagt agtgtcattt acgcttctct tctctgcagc 60
 aactatgcct aaccctaagg tcttcttcga catgaccatc ggcggtaaat ctgctggccg 120
 catcgtgatg gagctctacg cgcagtcac tccccgcacc gccgagaact tccgcgcgct 180
 ttgcaccggc gagaagggcg tagggcggag cggcaagccc ctccactaca agggctcgtc 240
 cttccac 247

<210> 31723
 <211> 245
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700895170H1

<400> 31723
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 agaccagtt cgcgttctcg tcaactggagc cgcagggcaa attggatatg ctcttgcccc 120
 tatgattgct aggggagtgga tgctgggtcc tgaccagccc gtgatectcc acatgcttga 180
 cattctcca gcagcagaat tcctgantng ggtaaaatg gaattggtgg atgctgcatt 240
 ccctc 245

<210> 31724
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895172H1

<400> 31724
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 catagacata gcaaaatatg aatgccactc tcccttttta aatggaaaca aagctgaaga 120
 caccacacga gcaatcaata gataacaaac taaagataga gtgagagtga gagacatgta 180
 taggttcagc aacacagtaa tcgggttctt ggacttgtag acacttttag catccatacc 240
 actaattgg 249

<210> 31725
 <211> 247

<212> DNA
 <213> Glycine max

<223> Clone ID: 700895173H1

<400> 31725

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 aaaatgtcca agtccactgg aaatttcagg acgttgcgtc aggcaattga ggagttttca 120
 gctgatgcta ctcggttctc tttggctgat gctggtgatg gtgttgatga tgcaaatttt 180
 gtctttgaga ctgcaaatgc tgcaattctc cggctcacca aagagattgc atggatgaa 240
 gataatc 247

<210> 31726
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895174H1

<400> 31726

ggagaatcaa tcagcggatt gtaaaattga ttgtggaact tatgaggaat catgagactg 60
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 tgctggttga tggagaagct tgcactttac cacagctgga gctattggaa gcaacagcta 180
 gagcagttca gccagtgtc gagtttgag aatctggatt ggctgtggca gatggccttt 240
 t 241

<210> 31727
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895175H1

<400> 31727

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 ctcaagcacg ttgaagttgc cggtccagc ccaaaggcaa atgaggtttt aatcaaactg 120
 gatgcagtta gcattaaccc tattgattgg aagattcaga agggctcttct cgcctcttta 180
 tttctcccca ggacctttcc ccacatacct tgcacggatg tggctggaga aatagttgag 240

atcgga

247

<210> 31728
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700895176H1

<400> 31728

gatgggtcgt tctacagaat cagcggattt gactaatatt gacatgcttc attttcaaag 60
aggttcttta gatgaattca ttgttgaggg ccctaaaatt gcacgacttg agtctctctg 120
ggtcagtgtt gaatcaggtc acggtcagtg tcgcctagta agttgtatcc gtaatgggtga 180
ttaactgtgt cgggggtatca tcagaacgag aagatgaggt aacaagttac gctg 234

<210> 31729
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700895177H1

<400> 31729

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ctatgcttgt atttctcatg tatttagaaa ctacttctgc acgaaagaga gaagagggag 120
caggcagaag tggctcggag aatactgctg gagaaaagca gggttctttt caaccagctt 180
caagagtgca atgtcagtct tccttacgaa tacgaaggta ggacaattgt gaattcatca 240
tcatcaac 248

<210> 31730
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700895179H1

<400> 31730

ttgaaaatag gtgaaggcct gaagggtgaa tcacttctca tctgttctcc attgtgagcc 60
ttcgtccatt ctgagtcaga tcgatagctc acaagcatta cgagttgaaa tcgttggaac 120

ctcgtcgaac aaccgttcaa atcgtcaaag acaaacgagc tctgactcgc cggaatctca 180
 gcggacagca agtctttctg aacctgtcgt gctcggaaact cagttggcga acttgatatt 240
 gacgcttagg gc 252

<210> 31731
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895181H1
 <400> 31731

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 ttccggatgc aagattcaaa agattattat ggccttgctc ctgggaaatc tgtgatactc 120
 agatatgcat ttcctataaa gtgcactgaa gttattctag ctgatgataa tgagactatt 180
 cttgaaattc gagccgagta tgatccttca aagaagacca agcctaaggg ggttctccat 240
 tgggttgc 248

<210> 31732
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895182H1
 <400> 31732

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 tgaagtccgt gaaacaacag ctttcatggt tccattggtg gctggtgatg gaacccaaac 120
 tcaggcactt gctatttgcc actcatatac ttctggaatg aatcatcaaa tgcttcatca 180
 acttatggga gttgatcctg gaactaacc cgtttgccat ttccttgga gcaaggccat 240
 ttt 243

<210> 31733
 <211> 111
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895184H1

<400> 31733

gaataattgc ggccaagcca ctaataccca aactcaaagc catagccatg gccaccctaa 60
tttcagttta ggaacgtttc atatccaact ttcactttca ctttcacttt c 111

<210> 31734

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700895186H1

<400> 31734

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actctccctt tttccgatcc ttcctcagcc agaagggagg ctccctccgat aagaggaaaa 120
cggatgaaca gaagccaaaa gagcagaaac ccaaagccag cgagaacaaa cctataatga 180
cagagtgaca acaaatttgc tgcattcagt tgtagaatga taataggtgg tagatattgc 240
atttgg 246

<210> 31735

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700895189H1

<400> 31735

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aattttaact aaccaaacta ataagcaaaa atgttggcgg tgtttgcaaa agccattgga 120
aaaccaccgg aggaactgag gcttccggca atgggggtcca ataattcaaa gacccagaa 180
gaaattgtac agaaatttca atctttgtgg ccagattctg cagtttacia cttccacat 240
gggaat 246

<210> 31736

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700895151H1

<400> 31736

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 tccctcaagg gatccactaa ctgaaggaga aatgggggtg acattcacca agcttttcag 120
 ccggtttttc gccagaagg aaatgcgaat tctgatggtg ggtctcgatg cagctggtaa 180
 gaccaccatc ctgtacaagc tcaaacttgg agagatcggt accacaattc ccaccattgg 240
 gttcaat 247

<210> 31737

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700895124H1

<400> 31737

cagcttccaa ggcttcggtg attccggcag ccgctacctc tccgcctcct ggggcgggat 60
 ccagtgggag aagcaggtcc gcacctccgc ccagatccac cgtcaaggcg gcatgtccgt 120
 cctcgtcacc ggcgctgccg gcttcgtcgg ctcccacgtc tccctctcgt taaaacgacg 180
 cggagacggc gtcgtcggac tcgacaactt caacgactac tacgatccgt ctctgaaaaa 240
 agcccgaag tcc 253

<210> 31738

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700895126H1

<400> 31738

gtgtttgtca cgagacccat agtgctgcc aattatagta actctctttc tctatctgaa 60
 gaagaagaag ttctgaagaa gcatgtgtgg aggtgctatc atctcagact tcattggtgt 120
 gaagcgtgcc cgcaacctcg ccgcgcata actgtggtcc gagcttgacc ctttctctga 180
 cctccttggc ttcgatacca ccaccaccac caccaaccag ccacccttc cacac 235

<210> 31739

<211> 250

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700895127H1

<400> 31739

cgaagaagca taagagcgtc gatggatagt ctcaagttcg catctttgac gctgcctcct 60
 tgttctcgac gctctgggat gctaggaaag aggttgaatt cccctttact tattattgat 120
 tcttcagcac agttttgcta ttgcaagact gatcttgctg ccgcatcatc aagtattcca 180
 ctgaccatta taaccaantc ttgtagattt tcaccaagtg tagcagcaga aacatggacc 240
 tcgaatcttt 250

<210> 31740
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895128H1

<400> 31740

gttagcaaga cgagaaaagc ttccagatcc tgttgagaga gagaaaggtg ttagtctttg 60
 gtcaatgatc aaggacaatg tgggaaaaga tctaacgaga gtttgtctcc cggataactt 120
 taatgagccg agatcatccc tacatgaatg ttgtgaggac ttggagtact cttatcttct 180
 ggatcaagct tatgagtacg ggaaatcagg aaacggtctc cttcgggcac tgtatgttgc 240
 tgctgtgca g 251

<210> 31741
 <211> 251
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700895129H1

<400> 31741

ggccattcag atgtcttctt ttgtctttgt ttctcttaca attttatttt gcgtctcttc 60
 tttggagaag agttttgcct ttcacacaac atacgacata ggcatcaanc actcgcgcag 120
 gtcatgtgct cagtcgctct gttggggctt catcctctac cgttcttggga ttgccagcaa 180

tggccaaggt gtggtgagtg tctgtctcca tgggtgggaaa gtctgcaagc agctcattcc 240
tagggatggg g 251

<210> 31742
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700895130H1

<400> 31742

attgattggt tgcagatgga ccccttacgg aaacactaag tgcaccattt gcaagcagca 60
agtgcaccag aatgctaagt actgccacac ctgtgcttac tctaaagggtg ttatttccat 120
gttgagatct ttttgcattt gctaccatac atattatttt tggtagacta attaaatgtg 180
ttctatcatg aaagtgcag actaaatttc tgatgtgttc tatatggcag gagtttgtgc 240
aatgtgtgga aa 252

<210> 31743
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700895131H1

<400> 31743

aacgaggata agcagaagga gcaaaagcaa tggcgccgaa gaagccgaga accacgacaa 60
ggaaccctga tttggttagg gggattggca agtattcgag gtcgcagatg taccacaaga 120
ggggcatctg ggccatcaag gccaaaaacg gtggcgtttt gccccgccac gatoccaaagc 180
ccaagcccga ggccccggcc cagaagccgc ccaagttcta ccccgccgac gatgttaaga 240
agccccctgt caaca 255

<210> 31744
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700895132H1

<400> 31744

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 tcttctcttc tctctcgtgt ttaactgttc agggcatcct agtttctctc agttagccaa 120
 aatggtagct gcaaatagaga gggtcgtcgc tgtgatcatg gttggaggac ccactaaagg 180
 tactagattc cgaccattgt cattcaacgt acccaagcca ctttttccat tagcaggaca 240
 acccatgggt catcat 256

<210> 31745
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895133H1

<400> 31745

tagaattcaa cgtttgcaaa ttgcatattg ttcttctctt cctctcttcc tctgcatcca 60
 tgtcgtcgat aacgggcatc caggggcaac ctcttgaggt tacggtggtt tctgtctcca 120
 agttgaagga cacagaatgg atttcaagac aagatccgta cgtttgtgtt gagtatggca 180
 gcacaaagtt ccgaaccaga acctgcacag acggcgga aaaccggta ttccaagaga 240
 agttcatctt tccc 254

<210> 31746
 <211> 249
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700895134H1

<400> 31746

ctgatagccc ttatgctggg ggtgttttct tagttactat tcattttcct ccggattatc 60
 cattcaagcc acccaagggt gcatttagga ctaaagtttt ccacccaaat atcaacagca 120
 atggtagtat ttgtcttgat atcttaaagg agcagtggag ccccgcttg acaatatcta 180
 aggttttgct ctccatttgc tccctattga cggatccaaa cccgnatgat cccttggtgc 240
 ctgaaattg 249

<210> 31747

<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700895135H1

<400> 31747

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gtggaattaa catacaatta tggggtgacc tcatatgata ttggaactgg atttggacat 120
tttgctatcg caactccaga tgtttcaaaa ttggttgaag acatccgggc taagggtgga 180
aatgtcacca gggagcctgg tccagttaag ggtgggaaat ctgttattgc cttcgtgaag 240
gacctga 248

<210> 31748
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700895136H1

<400> 31748

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attagaagaa agaagggtgt tgaagatgat gatgatgaaa tgagaaagtt caacccaaaa 120
gagccaaatt ttctgccatt ggttcctgag ccaggacaag agaagggtga cctgaggcat 180
caaatgatgg atgagagaaa gaactcagag gattggatgc ttgattgtgc tctaagacia 240
gttgtgac 248

<210> 31749
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700895138H1

<400> 31749

tcggcagagc aagaagttga tacaatcaag gatattgtat tcacatatga tgttgccttc 60
acgggaagtg atatcagatg ggcatcacgg tgggacacat atcttttaat gaatgatgat 120
cagatccact ggttctccat cattaactct ctgatgattg ttcttgcctt gtctggaatg 180

gtggcaatga tcatgatgag aactcttttc atagacattg ccaatgataa tcagctagaa 240
 acccaagatg aggccca 257

<210> 31750
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895139H1

<400> 31750

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 aattattgta tttggacaat agttttgagt tgaggatcta atcattacca gatttaatat 120
 acttggcaaa tggggctctga aggtcctacg acaccgacaa caacaattca tgtgacagga 180
 tttaagaaat tccatggagt ttcagagaat ccatcagaaa caattgccaa taatttgacg 240
 gagtacat 248

<210> 31751
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895140H1

<400> 31751

ctttctttgt attaaagtcg tatattttaa tgcattgctgt cgagcttttg ttactttgtg 60
 acaaattggag ggtccttagt tctgtttctc tttcttctct ctgttctctc aaccaagttc 120
 tcaattcaat cttcttcacc cttttgatct gctaattctc aaggtattca aaattgggag 180
 gttttcgttt gaattgtgat gtccaagcca ctgctaggca taggggagga ggaaggtcaa 240
 agcaatgtc 249

<210> 31752
 <211> 259
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700895141H1

<400> 31752

aaggagatgg tcgtgtactg cttcgacacc ctctcgctc actacaacag cacggaagct 60
 ccttcccctg ccttcgatca ggctcaacat ccattgtttg ttacatggaa gaaagtgggtg 120
 aatgggtggag atcctcgtct tcgggggttg atcggaactc tggtaagcac gcaagcttga 180
 tcaatgcggc tcaaagatgt atgcacttga ccagtngccg ctcagnngga ccggagattg 240
 tccacccatg tacaggcta 259

<210> 31753
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895142H1

<400> 31753

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 gaccctcca atagttattg ttggtgttgt gggttatgtg aaaactccac gtggtctccg 120
 aacattgaac actgtctggg ctcagcattt gagtgaggaa ttgaaacgta ggttctacaa 180
 gaactgggtgc aagtccaaga agaaggcctt caccaagtac tctaagcagt atgaaactga 240
 ggagggaa 248

<210> 31754
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895143H1

<400> 31754

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 ttctgccgct cccccaaaac taaaaactat gattaaatct aatgatgcaa cacgagacaa 120
 aataagggaa attctccacg aggctttatc caaggttact ggagaagctg atgaagatct 180
 tgtagatgta gtcaataatt ctgatactat ccgtgttcac tgtgacagtg gagtctgtat 240
 tatttgaaa 249

<210> 31755
 <211> 249

<212> DNA
 <213> Glycine max

<223> Clone ID: 700895144H1

<400> 31755

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 cagaacaagt atgagagctc tgaggttgag gtccaggatc gtggtgtttt tgactttctc 120
 ggtaagaaaa aggatgaaga agacaagcct catcctcagg aggaggatcat cgccaccgag 180
 tttcaaaaag tcaactgtctc agaccaagga gagaacaagc acagcctctt agaaaagctt 240
 caccgatct 249

<210> 31756
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895145H1

<400> 31756

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 gttatatatt taagtttctg ccgatttcat gtagccgtaa ctttcaaac taggttcttg 120
 atcggcggtg gtcaattttc attgctgttt gtttttgatg agtactgttt tttgttttga 180
 tggtagaag agtctgagat atttcaatt tcacaagcag ctatagggtt ttagtccatt 240
 tcctttgctg 250

<210> 31757
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895147H1

<400> 31757

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 atcttgaaga agctcgagta acagcagcga acaagatttg tctttggaac atgggtgtcg 120
 attctgaaag tttccatcca cgattcaagt cccatgaaat gcgattaagg ctgagcaatg 180
 gtgaacctga gaagcccttg atagttcatg ttggacggct tggagttgag aagagttaga 240

ttttctcaaa ag

252

<210> 31758
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700895148H1

<400> 31758

gtcaaagctt ccggcaaatac aagagcaaaa acatgctttt ttggtaaaag ttgcatcaat 60
aaggagggtt gtccttggtg caccattgag agtaatttta gaacatcttg ctgccagaac 120
tggtgctcca gacctggatc cacttggtgc ccttggtcat cggcctaata agtctttctt 180
tctttttcct caggctgata aggtgactgt agtgtatcct atgagattca acgattcaat 240
agacattggt ctcg 254

<210> 31759
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700895149H1

<400> 31759

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gagatcctca agtcatgtc ctccactttc ctggctgccc ttgccaagc cattgacttg 120
aggcatttgg aggagaattt gaagaacacg gtcaagaacg ttgtgagtca agttgctaag 180
aggactctca ccacaggtgt caatggagag cttcaccctt caagggtttg tgagaaggac 240
ttgctcaagg t 251

<210> 31760
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700895150H1

<400> 31760

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gcagtgaagt ctcagaatgt tcagcgggca aatacccatt gttacctgcc gctgggccccg 120
 aaacacacgc actcgccaac tgcaactcat ggacaactgc aatgaatcat cacatgcttc 180
 atcaacttac ggggaatcccc tcggatacca tccccgggtgc ccattgccgt tatcgagag 240
 ccggttcca 249

<210> 31761
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895122H1

<400> 31761

tcattggtctt ccaagtttga ggagacatgg ctgagccaaa cattgctagc agatggtctt 60
 tacaggggat gacagctctc gtcactggtg gatccaaagg aatcgatat gctatcgtgg 120
 aggagttggc acagcttga gccactgtgc aacttgcgc tcggaacgaa gctgaactca 180
 acgaatcctt aaatgaaccg aacacaaaag gatacagagt aactggttcc gtctgtgacg 240
 tggcgtct 248

<210> 31762
 <211> 96
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895075H1

<400> 31762

cagggtcttg acagctgcac tggaaagaga gttatggtca accgccacaa tcaatgagga 60
 ggttttgaga actctacatg tgatattcat gaactt 96

<210> 31763
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895076H1

<400> 31763

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gaagtcgtag gagggtttca aaagatggag aacatgcaga gcttctggca attgggcat 120
 gaactccgtg gacactcaaa agcatcggag gatcacaaat ggtaaatggt tgcttcgaaa 180
 ttggcggaac agacaagatt gaagggggag cgtgtgaaca accttgatct ttcaaagggc 240
 c 241

<210> 31764
 <211> 158
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895077H1

<400> 31764

gaaacatatg ctccattcaa gagcctgctt ccaatggtga accctgatga tgttgtgttt 60
 gggggatggg atatcagtaa cttgaacctg gctgatgcca tggccagggc caaggtgttt 120
 gatatcgacc tgcagaaaca gttgaggccg tacatgga 158

<210> 31765
 <211> 245
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700895078H1

<400> 31765

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 ccgatccctc ccttcatatc gcttcacggc aaccttctct tcacccatcg caagatctag 120
 ttgaatctcg accggttcga agctctactc actcaaattc tcttcagatc tgggggggtt 180
 gattgcaatt ctactctng ctgctcgat ttgttcgttt gaaatgtcga ttttaccgaa 240
 aggcg 245

<210> 31766
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895080H1

<400> 31766

gaaagagaaa gatcacagta agagaattca tctttctttg cgaacagcta aaaacctcta 60
 agggaaagaa ggcataaata gaggtgttct tcagagctca ccagtgaac aaatgatgac 120
 tggaaccct aactggtgga acatcaatat caatagcatg gctccacaag ctctccttt 180
 cttgtccact cctaacaact ttcctatccc ttgtgctccc acttctcttc cctttccttc 240
 ttggcat 247

<210> 31767

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700895082H1

<400> 31767

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 cctttccgcc agaatccgtt gagaatggcg ttgccggtag tcgtcgatgc agagtacctc 120
 aaggaggtcg acaaggctcg ccgcgatctc cgcgactca tcgctaacag gaactgcgct 180
 cctctcatgc tccgattagc ctggcacgat gccggaactt acgatgctaa gcccaa 236

<210> 31768

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700895083H1

<400> 31768

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 acagatctgt tctccaagcg gaactcgccg gtggcgacag cggtcggatt ttgggactac 120
 cactccttca tcgcccgcgc cgcgcttttt gagccggaag ggttcggcac caccgggaac 180
 aagacgatgc agatgatgga gatcgccgcc ttcttcggac acgtcggcag caagacctct 240
 t 241

<210> 31769

<211> 90

<212> DNA

<213> Glycine max

<223> Clone ID: 700895084H1

<400> 31769

aaagtatttc tgcttcttgg cctgctagta cgttggtctc gtgggacagt ttattctcga 60

gtttgtaatt ttttaacata gggaattcaa 90

<210> 31770

<211> 93

<212> DNA

<213> Glycine max

<223> Clone ID: 700895085H1

<400> 31770

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<210> 31771

<211> 136

<212> DNA

<213> Glycine max

<223> Clone ID: 700895086H1

<400> 31771

caacaacatc tctgtgcaaa accagatttc taaggaagca actcttgagc attcagacaa 60

tggacatcca agcaatgcaa cattgggttga tcacggagtt tcatttgaat taaccgggga 120

aaatgttgcc cggtgc 136

<210> 31772

<211> 156

<212> DNA

<213> Glycine max

<223> Clone ID: 700895089H1

<400> 31772

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agaagaatcc gttgaattat gattcctggt tcgattacat aaggttggaa gaaagtgtgg 120

gggataagga gagaatcagg gaggtttatg agaggg

156

<210> 31773
 <211> 68
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895090H1

<400> 31773

atcctcttca ctttattaat cgattctagt tgctctctc atcctacagc cacaacaagc 60

ctcccccc 68

<210> 31774
 <211> 115
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895092H1

<400> 31774

aacgcgtcaa cgaaggcggc ttctctcgtc tcgtctctgc ttttctcctt tcgctttacg 60

ttttcgtgtc gccgccggtg agggcgaaaa agtgtttccc tgagaagaga atttt 115

<210> 31775
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895095H1

<400> 31775

tcgctggcca aatgtgattg tgcagtttga agatttccaa agcaaattggg catttaagtt 60

attacagcgg tatagaaata cctacagaat gttcaatgac gatgtgcagg gaacagctgg 120

agttgcaatt gctggacttc taggtgctgt acgggcgcaa ggaagaccaa tgattgactt 180

cccaaagcag aagattgttg ttgctggtgc tggaagtgct ggaattgggg ttcttaatgc 240

agcg 244

<210> 31776
 <211> 112
 <212> DNA

<213> Glycine max

<223> Clone ID: 700895096H1

<400> 31776

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<210> 31777

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700895101H1

<400> 31777

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cattttcttc attatctcct taacatgtat ggttcaagct cgaatcccag gggtttactc 120

tgctggtgca tggcaaagtg cccacgccac cttctacgga ggctccgatg cttccggcac 180

catgggggga gcgtgtgggt atggaaacct gtacagccag ggttatgggt tgaacacggc 240

ggcattgagc acggcg 256

<210> 31778

<211> 144

<212> DNA

<213> Glycine max

<223> Clone ID: 700895102H1

<400> 31778

actggcagat cgggttttcc cttgtcactt ttgtataatt attttggag aatttatgat 60

gtcaaagtta ttgtttaata ttaatggcga cattgtatatt attatttgta aaatattggg 120

actcaactat gctttggtac cttt 144

<210> 31779

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700895103H1

<400> 31779

tggagacaaa gcagtgatgt gtcatatgct aaatttcaga gctggagtat tttactgcc 60
tgaagtcogt gaaacaacag cttgcatgga tccattcgtg gctggatgat gaacaaaac 120
tcaggcactt gctatttgcc actcatatac ttctggaatg aatcatcaca tgcttcatca 180
acttatggga gttgaccctg gaactaacc tgtttgccat tgccttggac gcaaggccag 240
ttcatgg 247

<210> 31780

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700895105H1

<400> 31780

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tctggccatt gaattccttg ctatttcctt tgtggagcac caaaggagca tggagaagga 120
cccagagaag aagaaatacc ctggtggtgc ttttgatcct ttgggatact ctaaggacc 180
taaaacattc catgaatata aagtcaaaga acttaagaat ggacgtcttg ctatgttggc 240
ttttgtggga 250

<210> 31781

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700895106H1

<400> 31781

tgctgctata ccaagtgggc atgtggcacc taatattgat ccagtgttga ataaccacat 60
gaatgagatg tctgcatacc atgcaaccat gatgtctagc actcttggaa cctcaactgt 120
tgtcttcact agaacgggtt tcattgctgt ccttctgagc cattatcgtc cttcgggcac 180
catatttgct ttacagatg agaagagggt acaacagagg ctggctttgt atca 234

<210> 31782

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700895107H1

<400> 31782

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 ggagttttct atgattttca ttgtagcaa cattatgctg cttttcagtt cagcatttgc 120
 caaaactgct agtcctccct ctctgagccc aactccagca ccagccccgg caccagactt 180
 cgtgaacctc actgagttac tcagtgttgc aggtccggtt tcacaccttc cttggatacc 240
 ttgagtcca 249

<210> 31783

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700895108H1

<400> 31783

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 cagtgaccgt gtatctagtg atggaagcag cctgtggggt gatatttaca ccatcactta 120
 tcaaagggca gaaaaccagc cagataaggc atccaatggt ggatcaagtt caaatacttc 180
 aaaatctgcc aaatctgggt ctgcattaaa ttccagctca gaagctaaat tgcacagac 240
 atctgttcta ga 252

<210> 31784

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700895109H1

<400> 31784

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 tcttctcagg gtttacatat ttggtaattt aattcaaatt tcattaggat tttcgaagg 120
 cgccaatata tagctcttag tcatgatatc tcgattaatt cctctttata gctctttgat 180
 ttcttcttaa tcatgagcac aatatgtgtg tggaatggtt tacttggttaa ggcttctgtg 240

tgaagattat tag

253

<210> 31785
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700895111H1

<400> 31785

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tctgagctct ctggtgactt tgagagagct gtgtaccgtt ggatgctgga acctgcagat 120
cgtgatgctg ttttggccaa tgttgccatc aagaatggca gcaaagggtta ccacgtgatt 180
gtggaaattg cttgtgtgcc ttcagctgaa gaggtcttgc gcgtgaagcg tgcctagcac 240
aaccgttaca 250

<210> 31786
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700895113H1

<400> 31786

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ctaaatacct taacaatcct ccaggcagag tcctcactct tgctgtcacc ctcacacttg 120
gttggccctt gtacttggct ttaaattgtt ctggaaggcc ttatgataga tttgcttgcc 180
actatgaccc atatgggtccc atttactctg atcgtgaacg acttcaaata tatatatcag 240
atgcaggagt ac 252

<210> 31787
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700895114H1

<400> 31787

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cgagttttaca gtgatttgat tcttgcccct tttgtggttt gatccaaatc aaaggacgtt 120
 tctctactgg tgctttgatt ctaagttttg gtggggggaa atgatgggaa attagggcct 180
 gggctctggaa tttttcatca tttctatcga aaaattgtac cttgttgtgc atattttgtt 240
 aaaaagtttc gatt 254

<210> 31788
 <211> 243
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700895074H1

<400> 31788
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 actatttcaa ttagaaagcc ttcattctctg caaagcgcac ttttgcgctt tggggttccc 120
 ttgttgcttg ttatcacctt ctgttatgct acttctactg ctgcagcaac aactcaagtt 180
 tcagggaatg aagagctgcc aaagacaaac ctaaattggc atgatgaaga agcaaaattc 240
 gga 243

<210> 31789
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895115H1

<400> 31789
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 catttttagag acatgcagag aagacaggtt gagtttataa aaaaaagagt tcttctcttg 120
 gaaaaagggc tcaatgctga gtaccagaaa gaatactttg gtgatccaaa agcaaatgaa 180
 gtaacaaatg aagaacttaa aagtgaacc aaggctacta attttccagg tgataaatta 240
 ggggacactg aca 253

<210> 31790
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895117H1

<400> 31790

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aatccctggc cttctctcgc cacgtttcca gatccctctc tttcctccct ataacacgtg 120
cggcaaaaca acccaacgca attgcggta aggtctcttc gcactctgac ttcgacgttg 180
acctttcgct cagtctcgt gtcaatgccg tcaagccttc caaaaccgtc gccatcagcg 240
accacgccac cg 252

<210> 31791

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700895118H1

<400> 31791

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atgtgaagca tttgctcaga tagagcagca acctaacata tacgatgtgg tgcattgtcaa 120
gtattttgat gaggaacccc tgaagttgga tgttgattatt agctttcctg atcatggctt 180
ccatcttcgc tttgatccgt ggtctcagag attgcgcctt attgaaatat ttgatgtaaa 240
gcgacttcag 250

<210> 31792

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700895028H1

<400> 31792

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gctcatagtg gattgttgcc tcgggcagtt atatcacacc agcaaaacca ggaccaagcc 120
caaggaatgc ttactataa caatccccc cctcctcagc aggaaagaag ctactacca 180
tcaatggatc ctcaaagaat ggggtgctctt gtttcatccc aagatgggcc tcccgggtggg 240
ccttctggg 249

ttcttcttct ccttctctc catcttatct cacacacctt cctcttcac cctctcatca 180
 aggtgagagt gagaagcgcg tggaggacga tgaatcgcg gtcccgctc acatcgtgac 240
 cgcgggcgac 249

<210> 31796
 <211> 220
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895036H1
 <400> 31796

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 ttttaaaactg gctcttgatc attttttatt gggtaaaaag gggttcctaa ttctaggggt 120
 cttattgatt attggggaat ttttaattttt catttctgaa agctttttca acctttttgc 180
 tgctgaaagc tagcagagag ggagatttaa aatttaaaat 220

<210> 31797
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895037H1
 <400> 31797

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 cataaaccaa tattcaagaa acatattcca attccagtat ataaacctgt cccaaagcca 120
 tttccagtgt ataaacctat accaaagcca gttccagttc cagtgtacaa tcctattcca 180
 aagccagtgt ataagcctat tccaaagcca gtgtacaagc ctattccgaa gccagtgtat 240
 aagcctatt 249

<210> 31798
 <211> 139
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895038H1
 <400> 31798

cttaaaataa aattcattgt gttatgtata atcgccctttt taaacatgat cagaagtcac 60
 ttttattttt gcacattaat taatgattat atcatgatat cttgtttcaa cggtataaaa 120
 agttgctctt acgttgaaa 139

<210> 31799
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895039H1
 <400> 31799

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 caatggccac tgttgagggt gtgtcagcca aggttgccct cccagaggac acaaaagagg 120
 catcattgaa ggttgacgag gagaagaaca cagaagaagt tgttgagact ccaacaccag 180
 aactgtggt cactgagcaa accaaggagg aaagtactga ggccccacga cctgcagctt 240
 cagaagacaa gccct 255

<210> 31800
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895042H1
 <400> 31800

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 aacaagaccc gcctgcaggg atcagtgggt cccccagga taacaacata atgctgtgga 120
 atgctgtcat atttggtcct gatgatactc catgggatgg aggcacgttc aagttgacac 180
 tccaatttac tgaggactat ccaaataaac caccgactgt acgatttgtg tctcgcatgt 240
 ttcattcc 247

<210> 31801
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895043H1

<400> 31801

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 ttacttcacc atttgagaat gaaaaagggtt caaatctaata gatgatgaga ggaatgacag 120
 ccaaggatat agaccctgta agatattcag gaagatgggtt cgaagttgct tcacttaaag 180
 gtggatttgc aggacaaggc caagaagact gtcattgcac tcagggtgta tatacatttg 240
 atagggaag 249

<210> 31802

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700895047H1

<400> 31802

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 aagtcctcgg tggctctttc agcaaggaaa aatatctgaa gctgaaaaag ctgttaaaac 120
 actatatgga aaagaaagag tggcttttgggt tatgcatgac ttgacagcag caagtgaagg 180
 ttcttctgaa cctgaagcag gatggtttga tctgtttagt agtcgatata ggaaagtgggt 240
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<210> 31803

<211> 252

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700895048H1

<400> 31803

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 cattaccact ttcttactta cagcacagca ctcttgctaa nctttcgtct tcaatttccc 120
 tttggatttc attcattaga tggattcgag ttcggggcat caagaattcg attatttggt 180
 taagttgttg atgattggag actctgggggt tggcaagagt agtcttcttc tcagtttcac 240
 ctccgatgct tt 252

<210> 31804
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895049H1

<400> 31804

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 acagatagag caatgtattc cttggcacac agcaagggtga acaacaggat gtgggggaact 120
 gtgaaaggag gaggaatatga tgaagatggt ttaaggactt tgaacattag ccaatgcact 180
 gcactcacc cactctgctgt tcaagctggt tgtgactcat tcccttctct ccacacatgc 240
 tcagggaggc a 251

<210> 31805
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895050H1

<400> 31805

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 gcgacgcgac ttctccgac taggcaacca gagggttat aaaaggaata gtagtaagca 120
 cattcatctc ccctagatat gaactcagtt gcaaggcggt tatcaagctt agtcagacat 180
 tcaggtttca cacctgaacc cttcaataat gggcatcatc aaatgcagca gctccagcaa 240
 tgcagaggc 249

<210> 31806
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895053H1

<400> 31806

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 gattcacgag ttcttctcct tttctggaga aatcgagcat gttgagatcc tgagtgaaga 120

tgggaaatca aagactgcat atgtgacatt taaagatccc aaagcacttg aaattgcatt 180
attattatcg ggagcaacaa tagtagacca ggttgtgaag ataactccag ctgagaacta 240
tgtaccaa 248

<210> 31807
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700895054H1

<400> 31807

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cattgacgct cacttgcgct ctatcagacc cctcaatctc caacaaaacc ctaaccctaa 120
ccctaacctc aatcccgcct ccaaccctaa ccctaattccc attctcaatt tgcattcagaa 180
ccctaattcc aaccatctac caccgcagca gcaaccgccg caacagcaac agcagcagca 240
gcagaaga 248

<210> 31808
<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: 700895058H1

<400> 31808

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gagatcagaa atcctgaatg tatcagggca tgtagctcca tgtgagaaac atcctggaag 120
ccttttggaa ggatttactc agacacagat tagtacctg gctgtgcggg ataagttggt 180
gattgctggg gg 192

<210> 31809
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700895059H1

<400> 31809

<213> Glycine max

<223> Clone ID: 700895062H1

<400> 31812

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 tttctgctct tcttctacat ttctagtttt aaaagtataa agatggcaga gacattccta 120
 ttacctcag agtcggtgaa cgtaggacac cctgacaagc tctgcgacca aatctccgat 180
 gctgtcctcg acgcttgctt cgagcaggac ccagacagca aagttgcctg cgaaacatgc 240
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<210> 31813

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700895064H1

<400> 31813

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 tgtaggtact gaggaagaaa gttttggcag aataactttg ttggagagaa taaaattcag 180
 gcaaggcggt gaagttggag agtattagat tggaagctta gaagtttctc tttggaccaa 240
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<210> 31814

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700895066H1

<400> 31814

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 cggttactcc tggattcagg aaaatggagc ttcgggatgt ccctgctgtt actcggctgc 180
 ttaggaacta cttgagccag tttgttggtg cacctgattt tgatgaaaat gatgttgcac 240

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242

<210> 31815
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895069H1

<400> 31815

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 actcccaagc tcgatgcaga gcaacaggag ttgtttaaga agcacatcga gggagcaact 180
 aaatacctgc tctctaagat taaagatttc caattttttg ttggtgagag catgggtgat 240
 gatg 244

<210> 31816
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895072H1

<400> 31816

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 aattccacct tctttttttg tttttatatt ctttatccct caaaccagaa cttatatatc 180
 taggcaccct ttcaaagaag agagagcttt tctgtttggg tacctttttt ttttggtggtgc 240
 aacaat 246

<210> 31817
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895073H1

<400> 31817

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 caaacaaaac tttgacct 138

<210> 31818
 <211> 250
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 <213> Glycine max

<223> Clone ID: 700895027H1

<400> 31818

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 ctggattgga tcagtgtgga aagtggaggc tgacttcaac atcaccccat actcatcctg 180
 tggatgagat ttacgacgcc cttatcattt gcaacggcca ttacgttcag cctcgtcttc 240
 ctcatatccc 250

<210> 31819
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 <213> Glycine max

<223> Clone ID: 700894983H1

<400> 31819

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 tagttttttc atcttttttag ctttagaggg taatacatc tttaaaaaa tggaggtttt 180
 ggtgggtccc gctttcacca tcgacgttcc ttcgtctccg ccgcgggatg gcggttccga 240
 aaatc 245

<210> 31820
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894984H1

<400> 31820

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 ttggaaccc 69

<210> 31821
 <211> 246
 <212> DNA
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<223> Clone ID: 700894985H1

<400> 31821

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 ccagacgacg acgcagtacg tgaagatgga ggagcacaat tttctcagcg ccgacgaggg 180
 ctgcaatttc ttctcggacg aacaagcacc aactctgcag tggtagtgtt cagaggaatg 240
 gagtta 246

<210> 31822
 <211> 244
 <212> DNA
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<223> Clone ID: 700894986H1

<400> 31822

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 aagagaaaact gcaggcagtt tgcacagcat ctgaagtga ttgggaactt gctggagcag 180
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 gatg 244

<210> 31823
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 <213> Glycine max

<223> Clone ID: 700894987H1

<400> 31823

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aagacctacg gtttgggacc ttactccaca agcataaaaa aggcggagaa ggaaatcaaa 180
gatatggcca agaaagtga tgacttatgt ggtataaagg agtctgatac tggtttagct 240
gcaccaa 247

<210> 31824
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<212> DNA
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<223> Clone ID: 700894988H1

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tatgattgct aggggagtgga tgctgggtcc tgaccagccc gtgacccctc acatgcttga 180
cattcctcca gcagcagaga tggagaatgg ggttaaaatg gaattggtgg atgctgcatt 240
ccctctt 247

<210> 31825
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700894989H1

<400> 31825
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ttcatgtggc aaatgtatca gagatcaaac catcagtcag aaaataagac agacatcctc 120
aaacaaattg cggagacagt gaagcatagg aaacacatag atggtagcgt ggaattgatt 180
ggagttttac tgtatggacc aggaaaaggt tcttctgttc tacaatccgt gagggctcct 240
ggttcgt 247

<210> 31826
<211> 246
<212> DNA

<213> Glycine max

<223> Clone ID: 700894990H1

<400> 31826

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 ccatatccgg tetcaatagt cagaaccag gtgcacaaat tgcatactt gcaacatttg 180
 ctagcaagcc tccaatccct gatgacattc ttaagaaggc tttccaaatt tccaaaggag 240
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<210> 31827

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700894995H1

<400> 31827

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 aggaggagaa gcaccacaag catcttgagc accttgggga acttggtgct gcggctgccg 180
 gtgcttatgc cttgcatgag aagcatgagg ccaagaaaga cccagagcat gctcacaggc 240
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<210> 31828

<211> 200

<212> DNA

<213> Glycine max

<223> Clone ID: 700894996H1

<400> 31828

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 tgttgagact gatcttttaa aaaattccaa attgtttgat tttatataaa agaaaaaaaa 180
 gaagaaaaaa aaaggaagaa 200

<210> 31829
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895001H1

<400> 31829

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 aaccacaacc ctctcttcaa acccgaaact ctcatTTTTc cacggaaagc cgtttacata 120
 ttcttcccgC gtcgcaccca ccaccaagtt attctcatcc aaacaaggca caatctccat 180
 gtccctaacc caaccctat gggatctcaa atctttaata ttccacccca tcaaagactc 240
 catcgtctc 249

<210> 31830
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895002H1

<400> 31830

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 aaaagaatgt cttacgtggg aagacataag caaacggata ggtttgtcaa gagaaagagt 180
 aaggcaagtt ggacttgttg cattggagaa actaaaacat gctgcgagga agagacaaat 240
 ggaagccatg ctat 254

<210> 31831
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895003H1

<400> 31831

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 gcaaaactaa agcacccttc attggtggca cttcttctag tactagcgtg tctttttatt 120

gctccaacat cctcaacatc cagaaaaaca agtttcaagc agcagcacc cttgcccaca 180
 acaaatgggt tccgagtcac gcttcgccac gtcgattcgg gaaaaaactt aaccaaacta 240
 gagcgtgtcc aaca 254

<210> 31832
 <211> 145
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895004H1

<400> 31832

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 ggaataccaa ggccagctgg ccaaggtagc tggcagtaaa aaagcagcct caatcatcaa 120
 ggatgcgttg tatgtgtcga gtgct 145

<210> 31833
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895005H1

<400> 31833

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 agctctagac ccaaaattcg ggaacggtaa agaacgatgc ctccattgac ttcgtggctg 180
 gtgctgccca ttctcgtgtt gttggcggct ccggcaacaa cccctccagc acgtgcctca 240
 ccggtcgcgt cgt 253

<210> 31834
 <211> 136
 <212> DNA
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<223> Clone ID: 700895006H1

<400> 31834

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ttttattttt gcacattaat taatgattat atcatgatat ttgttttgaa cggataaaaa 120
agttgctctt acgttg 136

<210> 31835
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700895007H1

<400> 31835

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caatggccac tggtgaggtt gtgtcagcca aggttgcctt cccagaggac acaaaagagg 120
catcattgaa ggttgacgag gagaagaaca cagaagaagt tggtgagact ccaacaccag 180
aaactgtggt cactgagcaa accaaggagg aaagtactga ggccccacga cctgcagctt 240
cagaagacaa gccctcgg 258

<210> 31836
<211> 255
<212> DNA
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<223> Clone ID: 700895009H1

<400> 31836

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tcatcggagg gactggttac atcggaat tcatcgtgga agccagcgcc aaagctggcc 120
accaacttt ccttttggtg agggagtcaa ctctctcaa cccggaaaat tcacccttca 180
atggccattt ccaaaggctt ggtggcaatc ctggttagg gagtctatac ggtcacaaaa 240
gtttggtgag tgcta 255

<210> 31837
<211> 252
<212> DNA
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<223> Clone ID: 700895011H1

<400> 31837

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 gtgtgcttgt tttttgtgac caacattgtg gcacaggatt cagagattgc tcctacaggt 180
 caattggagg ctggaactgg gtttgatttg cctgtttcta aggtgatgat gtgttcttca 240
 gtgttggcat ct 252

<210> 31838
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895013H1

<400> 31838

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 ttgcgagacc ttctaaagcc tggccctgca agtggtgaaa tcgatgatca ccctatgcaa 180
 attgaagaaa cacagtaccc gaaaaccttc ttctataaag aagaccttca tccaggca 238

<210> 31839
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895015H1

<400> 31839

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 gtgagtctgc tctcgataga acagtcttgt acagtaacga aaaacgctgt aaccaggctc 120
 ttttctatat tgtctcattt tgtgttatgc ttatgttgat ttagcttgta atggaagtca 180
 tttccaattg tttggattaa tgtatgatca aaaaaaaaaa aaaaaaaaaa aaaaaaattt 240
 aattt 245

<210> 31840
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895016H1

<400> 31840

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 tttaaaaatg tcagttatgc agcgtcacaa actaatggtg cactcagtgt tgctgggtgt 180
 ctttcaaatg tcaaaatttt gagtaaactc aagggttctc gggaaatgga cggccctgaa 240
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<210> 31841

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700895017H1

<400> 31841

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 tgtcacatta gtcctcgac tagcatgttg tggcatgtct gccccgacct cagtgccgaa 180
 aaccactgca gcggccccgg ccccgagag caatggctgc ttgatggctc tagcacacat 240
 gtcagattgt 250

<210> 31842

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700895019H1

<400> 31842

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 gcataaccga cattaaggta accactgctc actctctggc gataatgcgg tcacgatac 180
 caccaagtat gggctgtttc agggccgggt acgcaaagca cgtgttgacc ccaatgctga 240
 agtctct 247

<210> 31843
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895021H1

<400> 31843

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 acccaagaga acctgaatcc atgaaagaac tgagagagtt gacagcaaaa cacccatgga 180
 acatcatgac aacctctgca gacgaagggc agttcttgaa catgctcctt aagctcatca 240
 atgccaagaa c 251

<210> 31844
 <211> 93
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895025H1

<400> 31844

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 tcggaataat agacaacata atgaccacaa aaa 93

<210> 31845
 <211> 92
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895026H1

<400> 31845

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<210> 31846
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894982H1

<400> 31846

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 aggggtgcaa tgccaatgct cttagggatg ttgtctccat gggaactggg aagtacacca 180
 tgggcaatga tttgtggtat ggaccagaca gagtgaaata cttgggaccc ttctcagctc 240
 aga 243

<210> 31847

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894941H1

<400> 31847

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 ctatatgctc tactatatat gcccaatgca cacgcttttc actttgatgg tgtatggagc 180
 attgggtata tataacaagt ataatgaaat tccctctgta atggctgcaa agattttggc 240
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<210> 31848

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700894942H1

<400> 31848

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 ttgtttattt ccaaacttca atctctttta ctcttaagtc ttgttttgga cctggcctcg 240
 atgaagaaaa aataa 255

<210> 31849
 <211> 193
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894943H1
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 ctcccgccca agc 193

<210> 31850
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894945H1
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 cttataatat taaatactat tactggaag 89

<210> 31851
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894946H1
 <400> 31851
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 aagtgcggca acggctgcgg aggctgcaag atgtaccag acttgagcta cactgagtca 120
 accaccaccg agaccttggc catgggagtg gcacctgtta aggctcaatt tgagggtgct 180
 gaaatgggtg tgcccgtga gaacgatggc tgcaaagtgc gaccaaactg ctctgcaac 240
 ccctgcactt gcaagtgagg t 261

<210> 31852

<211> 79
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894948H1

<400> 31852

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 tggtaatgaa gcgagtgtc 79

<210> 31853
 <211> 253
 <212> DNA
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<223> Clone ID: 700894949H1

<400> 31853

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 gaatgcatct ccgtctgcta caccctggac atatcttcga gtatattcag cattgttatt 180
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 gtcctctatg tat 253

<210> 31854
 <211> 243
 <212> DNA
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<223> Clone ID: 700894953H1

<400> 31854

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 cgcaagcatc ccggtgggtcg gggtaacgcc ggtggcatgc accaccaccg catcctcttc 180
 gacaagtacc atcccggttt ctctcgaaag gtgggtatgc gctacttcca caaactccgc 240
 aac 243

<210> 31855

<211> 252
 <212> DNA
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<223> Clone ID: 700894956H1

<400> 31855

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 gcggcaacgg ctgcggaggc tgcaagatgt acccagactt gagctacact gagtcaacca 180
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 tgggtgtgcc cg 252

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 <212> DNA
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<223> Clone ID: 700894958H1

<400> 31856

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 agggcaagag gctggagcta aaagatataa gcaacagctg attggctgac ccaaaatttt 180
 actcgttttt tcaactgccg tgctttgagt tgcagtttat acgtgttagg gatattttat 240
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<210> 31857
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894959H1

<400> 31857

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 gatcaaccag ctctcagtc tcatcatcaa caccttctac tccaacaagg aaatcttcct 180

tcgtgaactc atcagcaacg cctctgatgc tttggacaag attagatttg agagtttgac 240
 ggacaagagc aag 253

<210> 31858
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894960H1

<400> 31858

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 cgtggcggcc caaccacgcc gcttccgctt atgtctctcg aaacgtagtc gttgatgacc 180
 gcagatccga tccttctctc catccccctt ttcccttcag aggttttgct actgaatccc 240
 tgatccaccc aataga 256

<210> 31859
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894961H1

<400> 31859

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 cagacgacga cgcagtacgt gaagatggag gagcacaatt ttctcagcgc cgacgaggcc 180
 tgcaatttct tctcggacga acaagcacca actctgcagt ggtactgttc agaggaatgg 240
 agttaagagg gaagaaga 258

<210> 31860
 <211> 259
 <212> DNA
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<223> Clone ID: 700894963H1

<400> 31860

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 acactttatc atctttgccca taagtgtatt ggttctcttc tctatgcct gtccgaagca 180
 gccagcagcg atgagaagct ggatcggggg gctataatga ggcacataac tcgtgaagct 240
 gacaatattc agtggattg 259

<210> 31861
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894965H1

<400> 31861

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 aaattgagaa tggaatgctg tgggaagtgg aggggaagtg ggttggttaa ggagcagttg 180
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 atg 243

<210> 31862
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894966H1

<400> 31862

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 tgctgaacag tatggtttgc aggatgctaa gaaagggtgc ctattttattg attttcctcc 180
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 gattaat 247

<210> 31863
 <211> 243
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894969H1

<400> 31863

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atcgaaccag cgagcaagat tgtctctctc ctaggccatg cgaccacctt gttcctccgc 180
catcgccctc tccagagagg tttccttttt cgttttcgcc gattttctcca tcgattccgc 240
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<210> 31864

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894971H1

<400> 31864

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ggtgggtttc ctggaccaca gggcccatat tactgtggaa ctggtgctga taaagcatat 120
ggccgtgata ttgtagatgc acattacaaa gcttgtatct atgctggcat caatattagt 180
ggcatcaatg gagaggttat gcctggtcag tgggaatttc aagttggtcc ttctgttggt 240
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<210> 31865

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894972H1

<400> 31865

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agaccactc ttggtggcac gcggattaag acccgcaaac gaaatattgc tgcgccgctg 180
gaccctgcag cattctcgga tgcagtggc cagatttatt tggataatgc tggatgatctg 240

gaactta

247

<210> 31866
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894973H1

<400> 31866

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 ccttcgccgc cagtcacctc tccctccgcc ctcaacagcc tctcaccgc tccgtggtcc 180
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 ggaaaccg 248

<210> 31867
 <211> 249
 <212> DNA
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<223> Clone ID: 700894974H1

<400> 31867

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 acttacagtgc cgctcgggtga caggaaggta tagtttttga gaggttttga tgaaagggag 180
 cagagggcac aaggtgagga ttctgttct ggccaacgga taccgacgat agatagcata 240
 gtgaagttt 249

<210> 31868
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894975H1

<400> 31868

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cgcttaaaac cgtgatgggt gccgtcgtcg agtgttaccc acagccgcgc acggcgggtgc 120
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 actactacct ccgctcgaag atcaacgttg atggatgatga tggttggtt attcgtgaga 240
 ttgatg 246

<210> 31869
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894976H1
 <400> 31869

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 ctagatggca gtttgccagg agattttggc tttgatcctc taggtcttgc atctgatcct 180
 gagagcctga gatggaatgt ccaagcagag cttgtgcact gcagatgggc catgttgagg 240
 gctgctggc 249

<210> 31870
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894977H1
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 gggaggaat tggccaaagt gtctggagtg gaaaaagaaa gcattagaag ccatggatat 180
 gggaggatca tcatataatg atttccatcg attagtgaag gaggttcttc acaatgatgt 240
 tgtttg 246

<210> 31871
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894980H1

<400> 31871

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 agtgaagaag aaaaggaaac aagagaagaa ggccaaactc aaagctgcca agatgaattg 180
 tgaatcttct tcatcttcat cgtccgaatc aagtgcagc gattgtgggt gtgatcaagt 240
 ggttgacatg aacaccttca gagc 264

<210> 31872

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894981H1

<400> 31872

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 tgcatacttc agtgcaactg cctcagggtga cattctacca atcaagaagg gaccacaact 180
 cccaccaaag ctcggttctc gtggcaagat ctaatttgat ttgtatcaga actccatcta 240
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<210> 31873

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894938H1

<400> 31873

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 tctccagtgc agtatactga gtatctcagt caaggatgtt catgatgggc aaacaaaagg 180
 tgctactaaa cattttgaag ctatatttgt gacatctaaa acgaagaaca aggatgtatt 240
 tgatccatta at 252

<210> 31874
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894889H1

<400> 31874

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 tagctgaagc aatgggggca aagaaagaac agcttagcgg cgtaattggc tcagccatga 120
 gtggcacaag tgcaagtgc atcctaactc tcaactgcggc agctgcaaca tcattaaaag 180
 gagctgccac acttaaagta agatcaagat gtaagaacag attgaatggg ggagt 235

<210> 31875
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894890H1

<400> 31875

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 ctttacctct gagtttctc atgttgagag atacttttgg accttggtca atcagccaaa 120
 cttccgaaaa ataattgggc aggtcaagca ggctgaagct attcctcctg ttcaatctgc 180
 aaagaagcct tcccagccaa aagaatccaa ggccaaggca aaagatgaac caaaga 236

<210> 31876
 <211> 193
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894891H1

<400> 31876

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 ttctgtgtat aaacagttat gcaagaaatt attgaatgat tgggtgttcc cccaagcaa 120
 gggctagtga gatcagcagc aaattagaag ccacattatg tgtaggctat tttctgtttt 180
 tttgctcagg tgg 193

<210> 31877
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894892H1

<400> 31877

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 gtcagacagg gtcaggaag acctatacaa tgatgggaag gcctggacat ccagaggaga 120
 agggcttgat acctcgttca ttagaacaga tatttcaaac taagcagtct cagcaacctc 180
 agggctggaa atatgaaatg cagggtgtcaa tgttggaat atacaacgaa acgatcc 237

<210> 31878
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894893H1

<400> 31878

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 atctccattt ggcttctcaa gaaaagcctc ctttcttggt aaggcagctg ctactcccc 180
 tgtcaagcaa ggatcagaca gacctttgtg gtttgcacaa aagcaaagtc tttccta 237

<210> 31879
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894895H1

<400> 31879

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 accaaggctg cacgtaagtc tgcaccaaca actgggtgtg tgaagaagcc tcacgttat 180
 cgccctggaa ctgttgctct tcgtgagatt aggacatacc agaagagcac tgagctccta 240

at

242

<210> 31880
<211> 224
<212> DNA
<213> Glycine max

<223> Clone ID: 700894896H1

<400> 31880

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ccaccgtttc aagggggccat gtttgagtga caccaactgt gggctctgtt gccgaaccga 120
acgtttcact ggaggacact gccgtggctt ccgtcgcaga tgcttctgga ccaaaccattg 180
ttaatttttaaaaattaatt aagagtgccg tgatagaaga tgat 224

<210> 31881
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700894901H1

<400> 31881

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cccaagaagc cctctactat gaattcccat gacagacca tgtgtgttca aggagactcg 120
ggctcttgcc tcaccactga ccctaaacct cgctccgtt ggactgttga gctccatgaa 180
cgctttgttg atgctgttac tcagcttgga gggcctgata aggccactcc taaaaccatc 240
atgaggggta tgggggtgaa gggcttcacc 270

<210> 31882
<211> 211
<212> DNA
<213> Glycine max

<223> Clone ID: 700894902H1

<400> 31882

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gcgattcatt caccaatgga tcgcaacggg gttctctctc ttgcattcat ctgcattgta 120

00220-ETFE50

gtcgccggcg tcggaggcca gtctcccgcc gcagcgccct cgaacactcc ggcaaccccc 180
 gccgcagcca ctcccgcca agcaccttcc a 211

<210> 31883
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894903H1

<400> 31883

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 gtgggatgga tcgggaagcg aggggtgctgc gatacagaga gaaaaggaag aaccgaaaat 180
 ttgagaagac gattcgatac gcatcgcgaa aggcttatgc ggaaaccggg cccaggataa 240
 aaggccggtt cgcgaaacga a 261

<210> 31884
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894904H1

<400> 31884

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 tcagcctcat catcaacacc ttctacagca acaaggagaa tctcttgctg gaactcatca 180
 gcaacgcttc tgatgctttg gataagattc gatttgagag ttaaccgac aagagcaagc 240
 tcgatg 246

<210> 31885
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894905H1

<400> 31885

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gggtgctgctg tcgttgttga gcaagacgtt cttcaggacg gtgacgaatg tgggcccgc 180
gagtgcggtg tatcgggtga ggggtggagac gcaggcggag ggggtggcgg tgacggtgag 240
gccgtcgcag cttgtat 257

<210> 31886
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700894909H1

<400> 31886

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ggatgatga aattgtgaag gaagtctctt cctacttgaa gaaagtagga tacaaccctg 120
acaagattcc ttttgttcct atctctggtt ttgagggaga caacatgatt gagaggtcca 180
caaaccctga ctggtacaag ggtccaactc tgcttgatgc acttgaccag attagtgagc 240
ccaagaggcc ctctgacaag 260

<210> 31887
<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: 700894913H1

<400> 31887

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aaaattatag tttgctgaac tgggttatgat ttcacaaagg tttttgaaaa aattagcttc 180
aatttggttt ac 192

<210> 31888
<211> 268
<212> DNA
<213> Glycine max

002229.ETFE60

<223> Clone ID: 700894914H1

<400> 31888

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ccacgtgctc cgcgccacca cgcacgccct cgcggcacca ccctccgagg aaacaatttc 180
tgctgtcctc gcggtcgggc acggcggctc ccaccgtcat ccacgcgct gcacgcacac 240
tctcatggac cgcctccaca ccacgcgc 268

<210> 31889

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700894915H1

<400> 31889

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gagagattta atgagccttt gaataagagg gtaaagtgc ctctgatttc aactagagca 180
ggctctttgg gtattaatct tcatgcagct aatcgtgttg ttatagttga tggttcttgg 240
aatccaacat atgatctcca ggccatcta 269

<210> 31890

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700894917H1

<400> 31890

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gattaaggag catgccgata tagcagaaaa agaaatcgaa gctttggaat tacaagttac 120
taaacttaat gaagaaaagg aagatgctgc tctccattat cagcaatgca tggagataat 180
ttccagtttg gagtataagc tctcttgtgc tgaagaggag gtgcataggc taaattccaa 240
gatagttgat gggg 254

<210> 31891
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700894923H1

 <400> 31891

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 gtggggaaga tgatgcggtg gaggccgtgg cgccctctcg tctc 104

<210> 31892
 <211> 257
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700894925H1

 <400> 31892

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 aacgtcaagg ccaagatcca ggacaaggaa ggaatccccc cggaccagca acgtctcatt 180
 ttgcgccgaa agcaacttga ggacggccgt acccttgctg actacaacat tcagaaggag 240
 agtactcttc acctcgt 257

<210> 31893
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700894927H1

 <400> 31893

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 aaagaagagc aataattgag gcaaagaaag gggaagatct tcttaaggca gaggagcaag 180
 ctgcaaagta tagagcaact ggaacagctc caaagaaact ccttggttgt ttctaattgct 240
 ttaaattctta agcattgtg 259

<210> 31894
 <211> 71
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894928H1

<400> 31894

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<210> 31895
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894930H1

<400> 31895

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 gatgaagagg attttttttg gtggattttt tattcggagg caccctttta ctatggacac 180
 attatctgtt gctgttaatt cgtggtctaa aggtgaggct aaggcaatgt ttttgcgga 240
 tgaagggttt ctaggaggtg tag 263

<210> 31896
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894932H1

<400> 31896

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 tccaaatggc tccacataga gcccaaacc aggacttggc atgccctcgt cgccgctttg 180
 tctgcagagg tccaagtgcc cgaaactttc gacgacacgg aggaggacga cggtgctgat 240
 ggctccaccg ccaccaacac cgtcctcacc accaag 276

<210> 31897
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894933H1

<400> 31897

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 agggaggaaa gaaccggaag cgcggaaga acgaggcgga cgacgagaag cgggagcttg 180
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 gcgaggcgat gtgcatcgac gg 262

<210> 31898
 <211> 190
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894934H1

<400> 31898

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 acccgccacc tccgtttctac ggcgtccctc aaccaccacc ccttcagccg gagaccacg 180
 tgttccattc 190

<210> 31899
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894937H1

<400> 31899

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 agcaaacc aacaacagtt ccagaaaatg aaacaaccga ggtaagcaag acccaggaaa 180

caaccccagt cactgaggct cctgcaacag aacaaccagc agctgagggt cctgcacacg 240
aacaaccagc cgct 254

<210> 31900
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700894888H1

<400> 31900

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tggtttgggg atatcaactt gtcacaagct tgttcttgag gtttgcaccg ctattaagtc 180
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<210> 31901
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700894854H1

<400> 31901

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acgacgaaca caagctccac aatcacagag aacaagtaca agaacaagaa caagaaaatg 120
aagaagaaga acaagaagat gaggtttgga gttcttcgga ttctgaaatc ggtgaagcgt 180
tggaactggtt ggattcaagg gaggaagatg aaggctcctc cttctccctc acttcgtggc 240
gccccca 246

<210> 31902
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700894855H1

<400> 31902

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acttctcatc actattatta ttaggtctga aggtcattg ccattatcat gtcaaggagg 120
ccagtaaadc cttcgcgctg gctaggtgat ggtggaagta taccatttgt tgcattatc 180
cagtccaaat ctcaaaactc tcccctacta tctattgggc ttgtcattgt ggggtgcaatc 240
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<210> 31903
<211> 244
<212> DNA
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<223> Clone ID: 700894856H1

<400> 31903

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tgtcaaattg tcaatgataa tgtataatgt atgggtcatt tcaaattaaa agttctgtca 180
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<210> 31904
<211> 243
<212> DNA
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<223> Clone ID: 700894858H1

<400> 31904

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aatggaacct tagcatcgaa ggacaaatta tagaatgttg tgggtgtata aattccacca 180
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<210> 31905
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<212> DNA
<213> Glycine max

<223> Clone ID: 700894859H1

<400> 31905

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ccccacccc ctcaaaccce aaccgtcttc tccaactttc catccaaatc ccgctactgg 180
gtatgcgcca cgctggtgga cgtcgccac aacagcaatt cccttcactt tgttcacagc 240
gatg 244
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<210> 31906

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894860H1

<400> 31906

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tttttgcaat taaaaaatga cttgagttag ggtgtagatt ataatagtat atatatgata 120
tatctctatc gtatatacta agagagtttg atgggttttg agtaattttt atttttatgt 180
tggtgactta ttaatattga gtttgcagaa ttcacctagg gaagagggat tttgcgacat 240
ggt 243
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<210> 31907

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894861H1

<400> 31907

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ttacctttca agtaatttcc gagtgtaaaa gcacctgttt tgtatatatg ttcacccgtg 180
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at 242
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<210> 31908
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<223> Clone ID: 700894863H1

<400> 31908

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 tggatgatgag ggtggagcca tggatgagga tggctctgca gctggcagtg gaagcgggtgc 180
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<210> 31909
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<223> Clone ID: 700894864H1

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 ccactgggtca cctgatttac aagcttggag gcattgacaa gcgtgttatt gagaggtttg 180
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<210> 31910
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<223> Clone ID: 700894865H1

<400> 31910

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<400> 31913

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taccggaggc gaattgctcc gccaaagccca ccaagcaggc cgagggcctc cgccactact 180
attctctcaa catccacgag catcagctcc ttcttcgcca aaagactcat aacctcaacc 240
gtc 243

<210> 31914

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700894869H1

<400> 31914

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tgatggccca aaaaagcttc cagggaagca gaagatgcat ttcaaccgc cagagaaaga 180
gattccggac gcggccactc tgagggatca atggaggtat gccattaggc agtacagtaa 240
atggtactct cacgctt 257

<210> 31915

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700894870H1

<400> 31915

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aacgactcat taacagcttt gttctgtggt tccacagaat cactctctga ggctggaaat 120
attcagttgt ttaaataccta tttgactgat ttgtcatggg cttgtcagat attgagtaag 180
ttggaaatta tgaggggagtt tggttgagtat tggtttgatg catcggataa gattgtcaag 240

<210> 31916

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894871H1

<400> 31916

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 tgaagacgct ggtgaagcac atgcacggga agaagtactg cgacaaagga tgggaatgta 180
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<210> 31917

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894872H1

<400> 31917

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 ctgaattcag gacacaaaat gccagttata ggcattggaa cttcagtgga gaatcgtcca 120
 tcaaatgaga cccttgcttc tatctatgtt gaagccattg aggtgggtta ccgtcatttt 180
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<210> 31918

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700894875H1

<400> 31918

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 taagtctcca acaagcaaag tacatggttg atttggaat ccagggtccc accccattcg 120
 acccgtttgc cgaggcgaga gaatcggatg cccccggagc aaaggagtat gtgcatattc 180
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<210> 31919

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700894876H1

<400> 31919

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 ttgggaattg gcattggtag agactgctag caatttgtca aagcagaagg caactttagg 120
 tgggtgggttt gatcctctat tgttgactgg catgtatgat caaggaatgg tgaggcagca 180
 tgtcagcact acccaactga gtggagggag tgcaagcagt gtggcattgc caggacctgg 240

<210> 31920

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894877H1

<400> 31920

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 gtggaatccc cttcggcgcc ggttgaatcc ctccctcaac caccggtgct gatttcgccg 180
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<210> 31921

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894879H1

<400> 31921

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 aaggccaaaa actgctccac cagatctgcc ttctttgctc ttggatgctc gaatatgcta 120
 tctgggtatg ccgattgtac cagctgtgac agaacttatt gttgctcaat ttatgtggtt 180
 ggattatgat aaccctacca aacctattta cttgtatatt aattcatcag gaactctgaa 240
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<210> 31922

<211> 231
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<223> Clone ID: 700894882H1

<400> 31922

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tcggaggact taaagtcctat ggataagctc attgaactct ttgaatcatg gatgtcaaaa 180
catggcaaga tttaccaaag cattgaggag aagcttctta ggttcgagat t 231

<210> 31923
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<212> DNA
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<223> Clone ID: 700894884H1

<400> 31923

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cacttaacga aacattaaac agtgagaaag acataatggc ggtggagtac acatgctgct 180
caacggcett cttcgttcac atactggtca tcgtgctgct cg 222

<210> 31924
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700894885H1

<400> 31924

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aattttcttg gcatcgtgtg atgatgattt tctatccgtg aaaagaattc aagttcatct 120
ccatttccta gcaactttct ttttggaact gcatcttctt catatcagtt tgaaggagct 180
tacttgactg atggttaaggg actaaataac tgggatgttt tcaactcataa gccaggca 238

<210> 31925

<211> 237
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 <223> Clone ID: 700894886H1

 <400> 31925

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 agtggttagca ctccaaaagc tccttcttcc aagccagctc caaagaaaac tcagaaaagg 180
 tctcgtccta aacagaaggc aagcagcaat aaataagata tattagtaga atgatga 237

<210> 31926
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700894853H1

 <400> 31926

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 aacaattttt gcagattggt gagaatgcct ttcaagaagc ctcatcacac ctgagacaag 120
 aactacataa caggggacga cggaggcaag ttcgagatac aacctagagg actcaacatt 180
 gtgtggggaa atgattctcg atactggaaa attccagaac aaggtcctgc ggactagatc 240
 caagtt 246

<210> 31927
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700894820H1

 <400> 31927

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 gatttatgca gctttagatc aatgtctttc tctctctctc tatctgtctc ttccatggaa 120
 tggtagattt gaggtgaaga cgttccgcat tggtcagggt agaatctcac gatggggaag 180
 tcaccaggaa aatggatcaa aactgtactg ttcgggaaaa agtcatctaa atcaaatatt 240

tcaaaaggca g

251

<210> 31928
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700894822H1

<400> 31928

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cctgctcctt cagcagaacc tcgaagattt tggcacggcc atcgcttcct gaatttcttg 180
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tcctaga 247

<210> 31929
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<212> DNA
<213> Glycine max

<223> Clone ID: 700894824H1

<400> 31929

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cttgaggtgg aaagctctga caccatcgac aacgtcaagg ccaagatcca ggacaaggaa 120
ggaatcccc cggaccagca acgtctcatt ttgccggaa agcaacttga ggacggccgt 180
acccttgctg actacaacat tcagaaggag agtactcttc acctcgctct cegtctccgt 240
ggtggcatgc a 251

<210> 31930
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<212> DNA
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<223> Clone ID: 700894825H1

<400> 31930

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 tgggtggtatt ggtaccgtgc cagtgggacg tgttgagact ggtgtcgtga agcccagtat 240
 ggtggtg 247

<210> 31931
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 <212> DNA
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<223> Clone ID: 700894826H1

<400> 31931

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 ctacaacccc tgataatgag gcttataagc ttgcaccatg tgcctcagca gcacaagatg 180
 agaatgctag tgtttctcag agttgctgtg ctcagggtgaa gaaaattggg cagaacccta 240
 gttg 244

<210> 31932
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 <212> DNA
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<223> Clone ID: 700894827H1

<400> 31932

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 aaaggagtcc tatgcttgca tgggtgtatt ttgcaattgt aaatatttgt catgatgggg 180
 ggggtggggt gcggtccggt ttcaagtga tgggggctt tcttgaccta atggggg 237

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<223> Clone ID: 700894828H1

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 tgagcagata tatcgatgct acccagcttc ctttattgaa aagccccaaa ttgaaagtgg 180
 tgacaaaatt atcatgcctc catcagccct tgaccgtcta gcattctctgc atattgatta 240
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<210> 31934

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700894830H1

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 agagtgcacat tcgccatgat gaagaggggtg ttagcaatga tttgtatgac ttcttgagg 180
 catttttcaa ggagcaccct cagctcacta agaatgactt ttatattact ggagagtcac 240
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<210> 31935

<211> 247

<212> DNA

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<223> Clone ID: 700894831H1

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 ctcaaaa 247

<210> 31936

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ggcgccaac 249

<210> 31939
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894838H1

<400> 31939

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cgtttccttc tgactctgag gttacaagaa tcttcacccc aacctctgtc ctgtttccgg 120

agattaggat ctggttggga aactgctata gaagtgtacg gatctcatcc atcgtggcat 180

agcttggttg ttgcgatggg ttgagaatga caacgctgga ttgttcctcc atagt 235

<210> 31940
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<223> Clone ID: 700894839H1

<400> 31940

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aatgctgcag ctcaggcttc aaggaagtcc tctccaagag tgtccaacga ggctgttcag 180

aaggtgctg ctgcattgaa gggttcagat catcgccgtg ctacaaatgt cagtgccaga 240

ctggat 246

<210> 31941
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<223> Clone ID: 700894840H1

<400> 31941

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 ctcacgctg agttcatagc aacccttctc ttcctttatg tcaactgtgct caccattatt 240
 ggctac 246

<210> 31942
 <211> 246
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<223> Clone ID: 700894841H1

<400> 31942

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 tgatgagaac actgtcatag taattctggg tcatagaact gtgtatcaga ggcagcaaatt 180
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<210> 31943
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 <212> DNA
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<223> Clone ID: 700894842H1

<400> 31943

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 cttggcgctg cgaatcgatt gcatggggtt ggagaatgcc ggagcttcgt agtggaccgc 180
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 acgtca 246

<210> 31944
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 <212> DNA
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<223> Clone ID: 700894843H1

<400> 31944

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ttcatttagt gcaaattctt taaaagtatc ataaacctta gtattctcta cggctagaaa 120
gagctctttg gaatgaactg aaattcattc cctataatag tttaaaagct taccatttac 180
aatacattga ctagtttttt tattagtaag agaataagga ccaatcatca gctataggaa 240
gaggtt 246
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<210> 31945

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700894844H1

<400> 31945

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agtgtctgct gagataattg ctgaggttca gaaatggttg acatatgatt tcctcctgc 120
tgtgaaggct aaagtcaatc gtctatgggg aggtgaatgg catggacagg ctcaaaagtg 180
gtttcttatg agattaacaa aagatgacag tgaggtcaac ttagctaatt gggaagcaga 240
acgtg 245
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<210> 31946

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700894845H1

<400> 31946

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ggttgggacc ttggtgtcca ttctggaagg tctgctaagc accaaggcca agaagcacgt 180
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caggg 245
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<210> 31947
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 <212> DNA
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 <223> Clone ID: 700894846H1

 <400> 31947

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 aacaattttt gcagatagtt gagaatgcct ttcaagaagc ctcatcagca ctgagacaag 120
 aactacataa caggggacga cggaggcaag ttcgagatac aacctagagg actcaacatt 180
 gtgtggggaa atgattctcg atactggaaa attccagaac aaggtcctgc ggagctgac 240
 caagtttca 249

<210> 31948
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700894847H1

 <400> 31948

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 tgagccccac tttgtccatt ggataacatg gatttctggc cttgttcaaa cactactcta 120
 tgctgatttc ttctattact atttccaaag ctggaagaac aacaaaaagc ttcatttgcc 180
 agcatgagtt tattcttctg ttcttgaaaa caagggtcta agtggacaat taacagtaag 240
 cagagaggat 250

<210> 31949
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700894848H1

 <400> 31949

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gagttttgct gcaaggactt gacacaaatt gtgtaaatgt ctgtggcttt taccaacctc 180
 tcttggtggt tgtggagtgg aaagcatcaa gagccaagaa tcccaaattg gccttctata 240
 aattcttc 248

<210> 31950
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894849H1
 <400> 31950

gggatattac aagatctgca gaggtcgcaa tgtatgtggg gtggactcga tggctctcaac 60
 tgtcgctgct atacatgttt ctaacaatta aatataagga tggatgccta aacgtggtag 120
 gggcaccagt atagtatgta tgtaaataat ttgcacgatg taatggtatg aaggaggaaa 180
 ctgctaagca catgtttatg cttttattct gtaattctct atggtagcta gtccagccac 240
 aaatc 245

<210> 31951
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894851H1
 <400> 31951

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 gatccaggag ttggtagcca tgtgtgttat gtgcagttcc cccagagatt tgcaggatt 120
 agatcgcatg gatcgatatg ccaatcgcaa cacagttgtc tttgatgtta acatggaagg 180
 acttgatggg attccaggac cagtatatat gggaactgga tatgtcttca atagacaagc 240
 actttatg 248

<210> 31952
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894819H1

<400> 31952

gtaccttaac ggttcgtttt cagtctcttc tccgtcgac aagctcccgt cctcaaacgc 60
 caaatactcc tcgccgctgc cggagattgc ggcggcggtt cgctcgtctcg cgggcggagt 120
 gttcacgcgc cggcacggtc ggaaaggcca gtggaggcgc gtggcattca ggtgcgtgct 180
 ttgcttcttc gtagggttct tgctgggcat gttcccgttc ggccacgtgt cggaggacgt 240
 tcgctcgac ga 252

<210> 31953
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894778H1

<400> 31953
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 attgttttag tccagtggac tttgtttctt gtgcaattga acctcttgac aatgttggtg 120
 tggcttgatg gccaaactaa gctgattcat aggtttgttg ttctgtgcta ttgtgtgggt 180
 ttcgattaat gaaatttact gctcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 gaagggggg 249

<210> 31954
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894779H1

<400> 31954
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 aaaccatcag aaatttctcc agcaacatca tcaactgcttg caaatttgat cgaacaatat 180
 ctagacaact ctaccataag agttgttgaa ggggctattc ccgaaacatc tgcaactcctg 240
 gatcagaag 249

<210> 31955

<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700894781H1

<400> 31955

cactaccctg aacatagtaa agaagccaat gcgacggttt tggagcagta tatggaggac 60
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ctacttctag agaagatcga agaagaaatt agtagattcc ttgaacgaca agatgttatg 180
atgaaagaat ttagtgatct tgactcttgg aggtcccatt tttctgtgca actggatcat 240
gtactaaggg acaatgctgt ttt 263

<210> 31956
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700894782H1

<400> 31956

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tagaactgaa ctgagcttcc cagcgatttg tattttctgc ggaaaatttc gtaatatttc 120
gcaatatttg tctcccgctg tctctctatc tgtgtttaaa ctgttttcgg cagttactga 180
ttttatttta tttgttgagt ttgtgctgga ttcataatcg atctgatcat catcaacact 240
gaacagt 247

<210> 31957
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700894784H1

<400> 31957

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tactattttc ctaacataag agtggagatg accttggaat ttttgctaca cttgtattat 180

ttgatataca ataaaggtgt atcatagcaa tgcattccatt gcggttaggc aatatgatgt 240
 ttataaaa 247

<210> 31958
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894786H1

<400> 31958

gaaggacttg gtcggaaact gatggtggat tgtactgggg aaggtgtttt gttcattgag 60
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 tgggaggaac tcctttatga tgtacctggt tctcaaggag tgcttaacac tccccttctg 180
 cttattcagg taacgcgggt caagtgcggg ggtttcatat tagctgtccg gctg 234

<210> 31959
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894789H1

<400> 31959

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 catatgtctc atcctagggt tcttagcttg tgttgtaacg aataatttcg tgccattcaa 120
 gaaaaatatg taagagattc cattagaatg gatatgactt aacagaggat gataggacaa 180
 gttttaaatg tatcttctag tctctacag cattaccgaa ataaataata aaaagcactg 240
 c 241

<210> 31960
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894790H1

<400> 31960

caaggattag gttcaatcat aacgctctct acttaattgt gtcactcaaa gttcggcata 60

aagggcagaa atggagaata aggaaataag tgtcttccat tctgggaggg gtagggttta 120
 tctgatggt gtttcaattc aaaagtttga aatttctttg acgttgattt catgtttcag 180
 ttaccctgat tgatcatatg tttaccatat taacaattga cataatacat gagctttct 239

<210> 31961
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894791H1

<400> 31961

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 tgctcaaagt taagccagga actattcctg tctgccactt ccttcctgag gatcatgttg 120
 tttgggttcc caagtagatt tgcattcaag tcctttttcc atatatgtcc ttgaataact 180
 agcttcaata gcacagcta cagaactcga tgcattgatt tgctcgtact atatagtcc 239

<210> 31962
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894793H1

<400> 31962

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 acatggaggt tgctatggaa ctggaagatg atcttttttt tgctgatttg agcaaggaaa 120
 ttgctctact aattatggat gaagatgaag atcctcttgc ttcttgctct cctgactctc 180
 ttcaggcttt ttctggggca attcactctc ctccacagtt tgctttcatc tatgagcatg 240
 cttt 244

<210> 31963
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894794H1

<400> 31963

agaagaccga tggaagcgct gatgggtttt ctgggaatgg acctgatttt tcttttgagg 60
aggctcagag gtcaaatatg gttgccccaa cagagtattc atctctggac gatttgctat 120
cttcacttcg tttgggtggct caagaacccc ttggagatta cagcttcttg aatcctattg 180
taagcttctt ctatgatttc aggaattcga tagttgtggc tgatgattct gtaaaagata 240
tatt 244

<210> 31964
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700894796H1

<400> 31964

gtaaaaaatc tgggtgcctc aagaagtact gtgagtgtt ccaagccaac attctttgtt 60
ctgaaaattg taaatgcatg gattgcaaaa actttgaggg aagtgaagag agacaggctt 120
tgtcccatgg agatcagatt aacaacatgg tgtatttcca caagcggcca attgtgccat 180
aactggagct atcgggtcct ctggctaate ctccaccacc atattcaagg aaaggaa 237

<210> 31965
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 700894802H1

<400> 31965

cgcatgcatg cggactcaag attctggtgc atgcgtataa aaggaaaata aagaaattag 60
cgtgaaaaat gttgggtgtg ttcagcagct ccatagtgtc gccgccggag gagctcgttg 120
ccgccggcag ccgtacaccg tcgccgaaga tgacggcggc ggcgctgcgg aagtggttcg 180
aggagaagaa cccctccgca gtgtcgggtg aggtcggaga gcatgtccag ctcgcttata 240
cccaccagaa cgagtcgccg tttcagccca gatccttg 279

<210> 31966
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700894803H1

<400> 31966

cagaagagag gaatatgaat cacccaagtg ttgtgttaaa agtgggaatg cacaacagga 60
catcgagggtg attcattctg ttattccctt ttctccctg gatccgttca taatatttgt 120
atataggtct ttggaatcac gaaatgtacc tttaatggaa gtgatctttg ttgttgtatt 180
gttctacagg gaggggtttc aatttttttg gggccatac aaggagttt atttagatgt 240
cacatagatc aatt 254

<210> 31967

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894804H1

<400> 31967

atattattta aatttcagta gattattgtt gctggtaata tggaggccat taacatagaa 60
ttggattttg attgttcccc agacctttt caactataaa taactaagt aaagattttg 120
atcattataa atttaatagc attgcagtta gagaggaatt tgttcacgtc tgtgttctca 180
tgcaacacac actttaatcg gtttcaggtt gtgacggaat ctgaggtcag tgatgagggt 240
tctataca 248

<210> 31968

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700894805H1

<400> 31968

gatggcccaa atgctggtga tccggagcct tttcccatgg gtgccaatat tagactgaga 60
cctggaaaat ctgcactgc tggcaatgag gagaatcgaa gccaaaggag ccctcaactt 120
tgtcaagtgg agaagacgct aatggccaag actcttcaaa aaacacttaa ttgatttagc 180
cttgcttggg cactaactgt tcaacattgc accataatgt catgtcaacc cccaagtctg 240
tatattgaca tttt 254

<210> 31969
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894806H1

<400> 31969

caaatgggga cgtgaagatg ggtgagattg atgaggggca ggttcaggag ttggaggagc 60
 accgcattga gttgagtctc gggcaagata ataatgttga gaggggtgaa gttgagaagg 120
 agcaggggtg agaggagcag atgatggatg tgggttttga gcagtctaag gaggaggata 180
 tgcctggaat gtggcttttg gatcagaaga actgtgtggg ggagccattt tgcggccttg 240
 tcatggtggt g 251

<210> 31970
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894807H1

<400> 31970

gatacccttc acctcgtcct cgtctccgt ggtggcatgc agatcttcgt taagaccctc 60
 accggcaaga ctattaccct agaagtcgaa agctccgaca ccatcgacaa cgtaaggcta 120
 agattcagga caaggagga atccccccag accagcagag gctgatcttc gccgggaagc 180
 agctcgagga cggacgcacc cttgctgact acaacatcca gaaggagtca actctccact 240
 tggtgttgcg tc 252

<210> 31971
 <211> 139
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894809H1

<400> 31971

gtatatattaa ctgaattcag ttggcacttg ttatatgggc tctccccttt taggggttta 60
 tggccttctc ttcgtgtag tgtagtggtc attgtgtgaa tacttaatac attgattgaa 120

tgcttatatt tgtcttttc

139

<210> 31972
<211> 221
<212> DNA
<213> Glycine max

<223> Clone ID: 700894810H1

<400> 31972

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cacctaaaaa aggaatattt ctacagcagc ctggatgcat ttcagaattg ctctttttt 120
gggtttgaca agaaggaagc accttcaaca gttgaggctc gagaatctgc cactctttca 180
gattttaaaa ttggaagtgg catctgagac tcgtcatgat t 221

<210> 31973
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700894811H1

<400> 31973

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ctcagaacac ctttgtccca gggctgattg atctggccat caagaggaac agtttgattg 120
gaggagatga ctttaagagt ggtcagacca caatgaaatc tgtgttggtg gatttccttg 180
tgggggccgg catcaagcca acatctatag tgagttacaa ccatctgggc aacaatgatg 240
gcatgaatct c 251

<210> 31974
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700894814H1

<400> 31974

aaagcattga attcaaaaac ttaagttcat tccttgtgtt ttgctttctt cctcaaaacc 60
aaacatgtcg aacacatgcg gcaactgcga ctgcgctgac aagactagct gcacaaggga 120

aacagctatg gtgttattgt agagactgag aagagttaca tcgagactgt tgtcatggat 180
 gttccagcag ctgagcatga tcggtagtgc aagtgtggca ctaactgcac ttgcacggac 240
 tgcacctgtg gc 252

<210> 31975
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894815H1

<400> 31975

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 ccaagcccaa ggctcctact ctattccgct ccgcattctg gctcgtgaca tgaacctcga 180
 gacctcacag accgtctacg ctgggtccga cttgggcttc agaccccgag agcgatt 237

<210> 31976
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894817H1

<400> 31976

cactctctct ctctctctct catccacag aatcacactc tccacagtgc gattcattca 60
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 ggaggacagt ctcccgccgc agcgccgtca aacactccgg caactccgc cgccgccact 180
 cccgcccaag caccttccac agtacgaaa tcaccagctc ccgttgcttc tcccaaatca 240
 tctccaccag ctgcaac 257

<210> 31977
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894818H1

<400> 31977

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 ttccagtcag cggcttcgga atttctcttt aaccctcttt gcgtggcttg gcagattact 120
 ttggagacat acatttccca gtttcatatt tggtaaggt ctaacatgcc aaacggacag 180
 cccaagtggc ttctttctct tatcccgag taccctatgc tcaacttcat gctaacaact 240
 gctatatacg 250

<210> 31978
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894776H1

<400> 31978

ggccgtccat gatgagtga agctaaagtt tctggagctc ataggcgaag aggacgtacc 60
 ggtatatcgt ttttaagatt gaggagaaat cgaagcaagt tattgtggag aagctgggtg 120
 accctgcaaa tggctatgat gaattcgctg ccagtcttcc tgctgatgag tgtcgatatg 180
 ctgtttatga ttttgatttt gtcactgaag agaattgcca aaagagcaga attttcttca 240
 ttgcttg 247

<210> 31979
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894742H1

<400> 31979

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 aaagctaagg tccgccgcca cacaccacca tcgtctgcag caccaccaac aacaacaaca 120
 acaacaacgt gtcctccgac ctgaaggcgt tctccgccgc gctggccctc tcctccatcc 180
 tcctctccgc ccctctcccc gccggcgccg acatctcggg gtcaccccca tgcaaggagt 240
 cgaagcagtt cg 252

<210> 31980
 <211> 247
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894743H1

<400> 31980

gcgcgaccca actcctgaat cctccgactc tgacgtatct gcctccttcc gtttcgcgcg 60
caccgcaatg aagtgcgaacc agcgcttcaa gcgggtcgcc aaaccagat taccggttca 120
gacaaccgaa ccagttcgtc gttccctcag aaccaaacc aatccctcac cgcaaccgga 180
catatctccc ggcaaaatga aaaccttgac cctcgatttc ttccaaatcg acgcgctgga 240
cctcgcc 247

<210> 31981

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894746H1

<400> 31981

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gattttccat aggaacccta attttctttt tcttgcttct ttgggggttct gcgatttggtg 120
gggttttggtg aagcgggtgat tggaaagtct acgactcttg atcgggttttc gtcgatggag 180
ggcgagggtt gttcagaggg agagaataat cggaagagg gtggctctga tgatgatagc 240
aatgagaata ac 252

<210> 31982

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700894747H1

<400> 31982

atcagaacta cgacaaatta agacagttcc taagagttag tgttgacta taggttacag 60
agtgttagct agatggcatc tcattgagtt cgaatggtgc ttctcattgc ttgcattctt 120
ccagctttgg ttgcatgcat agtgaggcac tatgatttca tgtggtgtct aaataaacca 180
atatattgtg tacaatcaca tctattgtga ccattaatgg gaagttgcc ggtctcacac 240

tttacgctca ggg

253

<210> 31983
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894748H1

<400> 31983

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 aagtcgaagc agtaaaaccc aatcagcgac cctcactctc agcccactct tcacgatctg 120
 taattacaag aagcttagat ttgacacaag caggcacaat ggacagcata gttgattctc 180
 tgaataatgc ctatcaagat tttgttgctg cagcagctaa tgtgttagaa gccaagaaa 240
 atgctgggtc cattaaaac 259

<210> 31984
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894749H1

<400> 31984

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 aattcatgaa agccttagcc gaaatcgctt gtggcgcaac ggaaccttcc ctactccag 120
 tgtggtgcag ggagctcttg aatgcaagaa acccacctcg aatttcacgc acccatcacg 180
 aatacgaggt ggaaaacaaa gccaaaggaa ctatgatgat ccattaaac gacgtggtgc 240
 aacgttggtt cttcttc 257

<210> 31985
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894750H1

<400> 31985

gcttgaaggg taagaaactt ggtttgtatt tttcggcatc ctggtgtggt ccatgtcaaa 60

catttacgcc aactttggtg gatgtgtaca atgaggttgc aaaaaaaggt gacttccaga 120
 tcgttttcat tacggctgat gaagatgatg agtcctttaa cggttacttt tccaagatgc 180
 catggcttgc aatcccattt tctgattcag acacacgcag cgccttgat gaattgtttc 240
 atgtgagggg ga 252

<210> 31986
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894752H1

<400> 31986

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 ctgaacaaag taatttatca tctctcgtcg ttccagctgc tgccttgggt gctctgggtt 120
 atggctacat gtgggtggaag ggaatttcat tctcagatct catgtatgtg actaaacgga 180
 atatggaaaa agctgttgca gatttaacca aaaagttgca gcatgcgtca gatgtcattg 240
 ctgataccaa ga 252

<210> 31987
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894753H1

<400> 31987

cgctccgaat tagggttttc caattcgcag agcaactcaa cacaacggcc caaaccaaca 60
 atgtcgcagc cgcagcctca gtcgcagccg caacacgggc aagcggcgct ggagcaggtg 120
 cagtgttcg gtcgcaagaa gacggcggtg gccgtgacct actgcaagcg cgggcgcggc 180
 ctcacaaaga tcaacggctg ccccatcgag ctcgtcgagc cggagatcct ccgctttaag 240
 gccttcgag 249

<210> 31988
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894755H1

<400> 31988

gaagaacgaa tcgaaaaaag atagatcatg gcgatggcaa acttggctcg acggaagggt 60
 tacgccgtcg ttttgtcgtc gaggtcgtcg ctttgtctga caaggtggag ggggttcgag 120
 tccggatctg acgaaaacga cgtcgtggtc atcggcgggc gtcccggcgg ctacgtggcg 180
 gccattaaag cggcgcactg ggtctgaaaa ccacttgcac cgaaaaacgt ggcactctcg 240
 gcggt 245

<210> 31989

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700894756H1

<400> 31989

ctcacagga gaaatagagc aagagaagtt tgattcatat gatgcacatt tctatgcacc 60
 atcaaggga gagatagaag aagaggtgag gaaatcaggg tcattgaaga tggagaggct 120
 agagatgttt gagatggaca agagtaataa tgagcaagaa agtagtgaga gctatggcac 180
 acaggttgct gtggcagtta gggccattca agaatcaatg atctcacacc actttggaga 240
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<210> 31990

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894759H1

<400> 31990

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 ctagagcctc tagtgtcaca ggatactgct tcatatggta tggccatgaa tctacttgct 180
 ggtgtgaaat ccatacatag gtcaaatgaa tcagatgaca tgataccttc cacaggta 238

<210> 31991

<211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894760H1

<400> 31991

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 aggctgcaac aagaccgcgc tgcagggatc agtggtyccc cccaggataa caacataatg 120
 ctgtggaatg ctgtcatatt tggctctgat gatactccat gggatggagg cacgttcaag 180
 ttgacactcc aatttactga ggactatcca aataaaccac cgactgtacg atttgtgtct 240
 cgcatgtt 248

<210> 31992
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894761H1

<400> 31992

cagaaacaac aaaggaatth gtggcaaagt tgggattaaa acctggccaa aaagtactgg 60
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 ttgttgcat tgacctctcc ataaacgtga tttctcttgc tattgaacgt gctattggac 180
 tcaaatgctc ggtagaattt gaatgtgccg attgcactaa aaaaacatac cctgagaata 240
 catttgatg 249

<210> 31993
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894762H1

<400> 31993

gggatattgg cgctttaact attoggcaac cacttgtttg ccaatactat attactcctt 60
 catcccttca ctttatctcc ttaaagccat tcccttgttt ccaaagatgt ctagcccatg 120
 gttcatacct ttcgcatatg taatactcgg ggagagttct tctactttga ttgatggttt 180

gatttctgga ggcacaatca aggggttggtg gaatgactta tggatgtggt tgtacataag 240
 accaagttct t 251

<210> 31994
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894763H1

<400> 31994

gggcaagaga gaggttgga aagactgcaa tatattctct catgcaaaag aaagcaccaa 60
 aaaaagtaag ggagaattta attccttccc acccttcaac aaaaactggc atgaggggga 120
 gcaaccttta gaagagacaa cattttcttt tccacttcta tttaattatt actactttaa 180
 attcatctct tatatagctc aacctatata tcagtcttcc ccggtccatc ttgttcggtt 240
 tctgt 245

<210> 31995
 <211> 113
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894764H1

<400> 31995

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 cttccaacct cgctgcgaat atggccactt gctctaattc cgtcaaagta atc 113

<210> 31996
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894767H1

<400> 31996

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 aagccacaac ccatcccttg gaccaccag gagaccgtgc acctcattcg cgcctaccag 120
 gagaagtggc acgccctcaa gcggggcccc ctgcgccaca accagtggga ggaggtcgcc 180

gtcgtcgtcg ccgcacgctg cggctacgac cttgcccacc ccgccaagtc cgcccttcag 240
tgccgccaca a 251

<210> 31997
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700894768H1

<400> 31997

ggttgctacg ttggtatctc tgtgttgtaa ttaaacttcg aattcaaact catactctgg 60
caactcgttg gtatgacaga aaagcttgaa acaaaaaaaaa aaaaaaaaaat aaaaaaaaaa 120
ggggggcccc ccgacaaggg gccccccgcc ccgggggattg attccggggc gggcccctgg 180
gggggaccag ctttcccca aaggggtcccg tttaaaaact gggggagacc agggccaagg 240
gggttcccg 250

<210> 31998
<211> 183
<212> DNA
<213> Glycine max

<223> Clone ID: 700894769H1

<400> 31998

gtttgttgaa aaataaaaga tcttgcttca tagtactatc ctatatttgc gttatacaaa 60
tccatatata tatgcgcttg caaattaatc tattagtaga ttaatttgca agtgaatata 120
tatatggatt tgtataatgt aaatatagga tagtactatg aagcaagatc tttttgtttg 180
ccg 183

<210> 31999
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700894770H1

<400> 31999

aacacacaca tttctagtcc ccaaacccta aactagaaga gaaaaagaga aagtgaaca 60

tcataacatc aaattcgtat gtgcttttgc ttaccctaaa atctccatcc ctacaaaaag 120
 aagaagaaaa acaagaagaa gtttaacatg tcagctgccg tggccgcttc cgctgccgcc 180
 gctaccatgt cggggttacca ccacaactcc tcctcgagac aacaacaaca catagaccat 240
 gaattgg 247

<210> 32000
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894772H1

<400> 32000

tgacctttcc tagagataac atggtctata gagagagaca ctgcccccca gaagaagaga 60
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 agccgtgatt atcttccgta tgctaattgct ccctacaaga gccttatagt tgaggatgct 180
 attcagaatt tgatccaata cgattgaaat gtgttctact tcccttgagg cggaacccaa 240
 tttcct 246

<210> 32001
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894773H1

<400> 32001

aaagcacttt taaggatgaat aactatgctt tgcgaatgca tttgaatcat gcacaacaat 60
 acagcccctt tcctgggtgt ttccctcctg atgccttcta gggcgatcag tatgtaggat 120
 atcataattg aggcagtaaa atagctgcat ctggttaata tcccaaagag aaaaaatgag 180
 tattgttaaa ttgttgagtg ttgtgaaact cctgtaggtc aaggaatagt cactgtttcc 240
 agttca 246

<210> 32002
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894774H1

<400> 32002

ccactctctc tctttccgac caaaatgtcg atcaacagcg aatctacgcc gccaccggtg 60
atcggaaaaa tcgggcctta caccgtcttc atgacgccgc cgtctacacc caaaccgcc 120
gacgacaacc ccgttaccac caccaagatc gcacctccgc cgcctcagat tcccaaagcc 180
gttcttcccc ccaaacccaa acctctctcc gattccgacg attccgtttt cggttcttc 240
agaaac 246

<210> 32003

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894775H1

<400> 32003

tccatccaac atcgaaacga ggtcgttttg tgttccgccg aaggcaccgg aggttgtagc 60
aggctagcag ctatggattt ggcattcaat ctcggtggca agattgacaa agccgaagtt 120
ctctctgccg ttcagaagta tgagaagtat catgtttgct atggagggtca agaggaagag 180
aggaaagcta attataccga tatggttaat aaatactacg atcttggttac cagcttttat 240
ga 242

<210> 32004

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700894741H1

<400> 32004

ccctgacttc acatgggaag tggatgaagcc actcaagagg gagaaaagtt tgaatttgaa 60
gataaggtga aagttttgag taaaggactt gaaagggtga aagaagttag tggatggagag 120
ataaaaccaa ttgttgattt ggcagaggac aatgacaaag ttttacagtg tgaaaagata 180
agagccgaga gtgaggttga ggtttggaaa gacaagtaca agacattgga atcatgggcc 240
ttcccatccc g 251

<210> 32005
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894707H1

<400> 32005

agctccttca cctccttagt ttcgaaagca tggcttccct ggccggcttcc accgcggcta 60
 tgtcagaaat ccttggaac cccgttaacc tcagatgcgc aaccaggtct gctccatcac 120
 caactacacc tgccaccttc aagaccgtcg cacttttctc caagaagaag ccagctccac 180
 ctccaaagaa aaagcctgcc gctgtatccc ccgccaatga ggaactcgcc aagtggatg 240
 gtcttgacag aa 252

<210> 32006
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894708H1

<400> 32006

gccaggaac aacactcgcg atcatccagg aatgattcag gtatatttag gaagtgccgg 60
 tgcgctagac gtggaaggca aggaacttcc taaacttggtg tacatttcac gtgaaaaacg 120
 tcccggctat ccacaccaca agaaagctgg tgccatgaat gctttgggtc gagtttctgc 180
 tgctcttaca aatgcaccat tcatgttgaa tctggattgt gatcactacg tcaataatag 240
 caaagcagtc aga 253

<210> 32007
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894710H1

<400> 32007

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 gctgcctgag cttttattct gtttttagtgt tgttgttgat cttagtggag ctgggatgtg 120

cagcctttat attttttgac aaaagctgga aagaagaaat tcctacggac aaaactggag 180
 attttgatat gatatatgga ttcttgagag agaactggaa tattgtgaga tgggttgctc 240
 ttggaattgt ca 252

<210> 32008
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894711H1

<400> 32008

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 gagggacagg tcacggcgt ccacaccgtt gatgagtggga agctgcaact ccagaatgca 120
 aaagactcca aaaaactgat tgtggtggat tttactgctt cctggtgtgg tccatgccgt 180
 tttatggccc cagttcttgc agagattgca aagaaaactc ctgaattgat ctctctcaaa 240
 gtggatgtgg atg 253

<210> 32009
 <211> 249
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700894712H1

<400> 32009

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 ttcgactttg ctctcatctca ttctctgggt tttttaaata ttgttctttt atgtgccttt 120
 tttgtttgaa ttttcaagct ggtttttttc tacacctgct ggaaatcctg aatggannnt 180
 tgctntnaaa aaatattaaa atttgtggtc caaattttta ggttgaggga tcaggagag 240
 ataaataat 249

<210> 32010
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894713H1

<400> 32010

gttgctgaat tcaggacaca aaatgccagt tataggcatg ggaacttcag ttgagaatcg 60
tccatcaaat gagacccttg cttctatcta tggtgaagcc attgaggtgg gttaccgtca 120
ttttgacact gctgcagtgt atggaacaga ggaagccata ggcctagccg tggccaaagc 180
catagacaaa ggccttataa agagtagaga tgaagttttc atcacttcaa agccttggaa 240
cacagatgca cacc 254

<210> 32011

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700894715H1

<400> 32011

gtcagcatga aaacttgccc gtggaacctg actatggtga gattcatgat gattttggag 60
acaaagatgt tgcctctgaa gagactcctg aagaagtgc catacctagt ggaaaggatg 120
aagaaaactt gacattacca ggattagaag ttgcagagga gtttgagggc atgcggtatt 180
ttgacgagaa aatcaacaga ttatctgttc gtggtaaaca gtttgaggaa ggtacaactc 240
taccagcatt tggcttgac 259

<210> 32012

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700894717H1

<400> 32012

atccgcttcc acagttgtga tcctgaaacc atcacaattt gtttctcaat catgtcaacc 60
tcacctcttt cccaaagcct caaaattggc atagttggat tcggcaactt tggccagttt 120
ctggccaaga caatgataaa acaaggccac actctcacag caacttctcg atctgattac 180
tctgaacttt gtctccaaat gggcatccat tttttcaggg atgtcagcgc attccttacc 240
gcagacatag atgtca 256

<210> 32013
 <211> 160
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894720H1

<400> 32013

aattcctcgc ctgctgcacc gccgccgccg ccgccgccgc gattaactcc gcggaccgtg 60
 agcgaagagc gaaaggcaaa tagagacgaa cgcttgccagg tgacgtggca tctccaaact 120
 tacttttgat ttcacttacc caaaccccca cacagcagaa 160

<210> 32014
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894721H1

<400> 32014

gttgctctcc ttcaaactcc atctttccaa atcctctctt tggtcttggtg ctttgatctg 60
 cttcctactg cgatagtttc tctactgtta catggccatg gcgggtttccg caattgggtt 120
 tgaagggttc gagaaaaggt tggaaatata ctttttccag ccgggacttt ttgctgacct 180
 tgaaggaagg ggtctaaggg ctcttataaa atcccagttg ggtgagattc taacaccagc 240
 tgcttgct 247

<210> 32015
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894724H1

<400> 32015

gaatcaccat cagcagagtt ggtggttcct ccgtcgccgc acctcccatc ctcttcgatt 60
 atcatcttat cgacaaaaaa cttctccaaa acatagtcta cgatgctctt gtctggagca 120
 ccctcaactg cctccttggt ggtgacaaat cagttcagag atcaggaaca gttcctgggtg 180
 ttggcctggt gcattctccg ctttctttat tacctgggcc atttctgaa aatcattgga 240
 agcaagcgtg cg 252

<210> 32016
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700894725H1

 <400> 32016

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 aaaaaatggc tgatgctgag gacattcaac ctcttggtgt tgataatgga actggaatgg 120
 tcaaggcggg ttttgcagggt gatgacgctc ctagggtcgt gttccccagt attattgggc 180
 gactcacgcc ataccggtgt aatggttggg atgggtcaga aggatgctta cgtgggtgat 240
 gaagctcaat c 251

<210> 32017
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700894726H1

 <400> 32017

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 caatcctaatt gtggagtaca ttgctggagg tgctactcag aattcaatca gggttgctca 120
 gtggatgctt caagcaccag gtgccacaag ttacataggt tgcataaggaa aggacaaatt 180
 tggagaggag atgaagaaga aatgtacact tgatggtgta aaggttaact attatgaaat 240
 cgacaatata cc 252

<210> 32018
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700894727H1

 <400> 32018

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 gaacattcga tcaattcatg ttttcagtga tgaagaattg tcagaatcct tggatgaagag 120

tatgcctaca aagtacaggt tattaaggggt acttcaattt gaatgtgctc caatgtatta 180
 ttatgttccg cgcattgaaa gtttggggga cttatcattt ttgaggtact taagcttcag 240
 aaggtcacgc 250

<210> 32019
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894728H1

<400> 32019

gttaatgggt ggggtcaatc ctatgggtcc cgttgtgtga agccaccaat catctatggt 60
 gatgtgagcc gcccaaagcc aatgactgtc ttctgggtcat ctctgggtca gagctttacc 120
 aagcgcccaa tgaagggaat gcttaccggt cctgttacca ttctcaactg gtcctttgtt 180
 agaaatgacc aacctagatc tgagaccacc taccagattg ctttgggtat caaggacgaa 240
 gcggaggacc t 251

<210> 32020
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894729H1

<400> 32020

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 cttacceaac cgtgagcgt gattatcaga aggcggtga gaaggcgaag aagaagctca 120
 gaggttcat cgctgagaag agatgcgctc ctctaagct ccgtttggca tggcactctg 180
 ctggaactta cgacgtgagc tcgaagaccg gtgggtccctt cggaaccata aagcaccct 240
 ccgaactcgc tcacg 255

<210> 32021
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894730H1

<400> 32021

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gcagagaagg tggtcagaga cagagttttg gtattccgtt ttaccgatgt tgggaaactt 120
ccccctccag ttctccagtt tgttgaggtg tcatttggtt atactcctga taatctcatc 180
tacaagaaca ttgactttgg ggttgattta gactctaggg ttgcactggg tggaccaaat 240
ggtgctggga agagtac 257

<210> 32022

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700894731H1

<400> 32022

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aggctccctt tccggccacc ccatttctct ctccagacc cagaacctct cttcttccat 120
cccaagccag ttttcgtaaa agaagctcct tttatcctt ttctgttcat gccaggtgg 180
agtctgatga tggttcagct gtataagcca catctggtga atctgtgaca gaggttctga 240
aaattaagga gtgggaggt 259

<210> 32023

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700894733H1

<400> 32023

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gggtttcctc aagccgtcga aagagccgca aggctcactt caccgctccg tcgagcgtgc 120
gtcgcgtcct gatgagcgcg cctctctcga ccgatctccg gtcgaagtac aacgtgcggt 180
ccattccggt tcgcaaggac gacgaggtgc aggtggtgag gggaaacctac aagggccgcg 240
agggcaaagt ggtccaggtc t 261

<210> 32024
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894734H1

<400> 32024

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 ccagtcttcc cttttttgag gtaaacgcta tgctatatta ctcaatataa aatattcatt 180
 cattcttgcg tgtgcggtg tgtttcgata atgacgactc aaattcgata attcccaatt 240
 gtgtttttatt tcaaattg 257

<210> 32025
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894735H1

<400> 32025

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 gctcaagtcc atctatccaa tttccgatca ccattatgga atggatcacg agcgttacgt 120
 ttctaccctc gccaccaagg gagttgggtca cctcgttcgt aagggcactg gtggacgac 180
 ctccgtcagt ggcattattg ctacagtatt tggggcaact ggattccttag gtcgttatgt 240
 tgtccaacaa cttgc 255

<210> 32026
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894736H1

<400> 32026

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 agaagaagaa gaagaagatg ttgagggttg cagctagaag gctctcttct ctcttctcct 120
 cctctccgtg gcggcccaac cagcccgctt ccgcttatgt ctctcgaaac gcatgtcggt 180

gatgaccgca gatctgatcc ttctctcccat cccctttttc ccttcagagg ttttgctact 240
 gaatccctga tcca 254

<210> 32027
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894705H1

<400> 32027

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 actatatctg gagattcata ctatggctct cactgatgc agtatggtga ttaggggctt 120
 agcagagatg ttctcttcca ttatttgggt acagatcctg ctaatgataa tttcactttt 180
 gtggatgaaa actccttatg gtcaccttca aaaccagtca accaacgtga tgctgatctc 240
 atccattttt gggataagtt 260

<210> 32028
 <211> 254
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700894737H1

<400> 32028

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 tgccgccact ggcaagggcc cgctcaacaa ctggggccacc cacttgagtg acccactcca 120
 cacaaccatc attgccacct tctcatcctc ctcttaagaa gaagcaaaag aagaagaata 180
 gtctttcttg tgcttggtca ttctagttat attgtaaaag tctttttcta tcttcttcgg 240
 ctttggttg taat 254

<210> 32029
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894739H1

<400> 32029

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cattctgcgg catcagacat gggaggaggc aatgggcaaa aggcaaagat ggcacgcgag 120
aagaacctcg agaagcagaa ggccgcctca aagggaagcc agctggattc aaacaagaaa 180
gcaatgtcga ttcagtgcaa ggtgtgcatg cgaacattta tgtgcaccac atcggaattg 240
aagtgt 246

<210> 32030

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700894666H1

<400> 32030

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tcaaatagca tcgccgaaga ctcaaatacca cccaatata aaggacaatc catttttttt 120
aggctctcac aaaaaggggt gaaagaaaga tcgaaacttg aacactgaaa ccacgttgaa 180
gttgaaagtg gctgaaaggg gttctggaga gttccgtggg ggagagagga gtgaacgcgt 240
ggcactttca gaggtggtgg cag 263

<210> 32031

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700894667H1

<400> 32031

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ttctctctcg catctcaacc ctttatcaact ctctcgagtt gcatccagga aggaggaggt 120
gcaatagaga agggcttgac caacatgggt catgttgaga agcccatcat cattaagggtg 180
gaacctctgg atggaccaat taaccctaca agatcactga tgagagtgga gtcgacattg 240
tgagtttga 249

<210> 32032

<211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894668H1

<400> 32032

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 attctcattc tgatttgcca cacacgcaga aagggtgaaa atagtgggac ttatttact 120
 ggaggtggag aaagatggct aacaacgcag ctgcttgtgc tgagagagct gctagtata 180
 tgctcattgg tccagactgg gcaatcaaca taacttgtgt gatatcatta atatggacc 240
 tgggcaagcc aaggat 256

<210> 32033
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894669H1

<400> 32033

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 cgttattaat tcttcaatca aggatcttct gcagagctac catggacact aactctaga 180
 agagagagat ggtgcactat ttcttggttg gtgaatcaag ttcttggtgc atcttgtgct 240
 tggagatgaa aatcc 255

<210> 32034
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894671H1

<400> 32034

gccgcagagt cagagagaga gattcactga aacagagcgc agaagaaaat acataaacta 60
 atccagacaa tgagcagcgg cgctggaaag gtggtgtgtg tcaccggcgc ttccggttac 120
 attgcttctt ggatagtcaa attcctcttc aatcgcggct acaccgttaa ggccaccgtt 180

cgcgacacaa gtgatccgaa aaaaataaac cattggttgg cctcgacggt gctaaggaga 240
 ggctgcacct ctacaagg 258

<210> 32035
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894672H1

<400> 32035

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 ggtagttatg tcatcagcac ctatgaccga caacaacaag gttcaaaaca aaggcctttt 180
 atcttcttct tcttcttctt ctgtgaggat gaggaagaga tcatgaagca gggcatcata 240
 accattttga actca 255

<210> 32036
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894674H1

<400> 32036

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 tcaaagcttc aaattctcct tgtttggttt gtttgtgtgt ttggagtatg atgtcgccgc 120
 cggcggtggt aacggaggag gaggggcgga caacgtgtcg tcgaccgtgg cgtccggttc 180
 ttcgcaatcc ttggaccgtt tctctcagat ggggctggat tgaaagaacg aaattactta 240
 gggttatctg at 252

<210> 32037
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894675H1

<400> 32037

caatcgctgt tcttaatcac tctttcatct ttcagttctca caccctaaaag aaagaaaatg 60
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 gaggggtggct cattcaatgg tgctcagatt gatgccaaga tcatgcagac atttaagaag 180
 aactttgttc aagtgcagga catttttgac agaacaggct actcatcaat gagataaacc 240
 agaaccacga gtct 254

<210> 32038
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894676H1

<400> 32038

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 tttgtgtata tgcaatcttg gcacatttgt gcggtatatt ctctctaat aacgagccag 120
 cttatatgga aacagtctac cccgttttca gtgtgtttac attgttaagc ctgcacttgt 180
 ttatgtatgg atgcaacctg ttcattgtgga gaatacaaga atcaattaca atttcatatt 240
 tgaattttca cca 253

<210> 32039
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894677H1

<400> 32039

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 cttcttcttc caatcaagca atacagaatg ggtttccgtt tacctgctgt tcgacgggca 120
 tcattcacgg ctagccaagc agcttcaaaa tctgtacaag ttccaaaggc ctatcttgca 180
 gtgtatgttg gagagaaaca atagcgggtc tggttcccgat atcatacttg aatcaacctt 240
 cattcgaaga tctttt 256

<210> 32040
 <211> 258
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894679H1

<400> 32040

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catttgaact cttcagtga ttttaaccaa gatcggggat ttaaaaacag tgatacaact 120
caaaaaagag aagtgactga tgcaattgaa aagccaaaca taaacgagtc aaatgctgtt 180
caggataatg tttttcagca tcaccttccc tgcgtcagga aattttggct cataaaagga 240
aggcagttac tttgaaaa 258

<210> 32041

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700894680H1

<400> 32041

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gaacatcctc ataagttcat atcaaattac cttgctaccc tcgaaacacc tccagaattg 120
agacaggaag cttggaatct ggctaattgat agtttgagaa ctacattgtg tgttcgattt 180
aagagtgagg ttgtggcttg tggagttgta tatctgctgc tcgcagggtc caagtacccc 240
ttcctgagaa tccaccg 257

<210> 32042

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700894684H1

<400> 32042

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tggcgcctgt ttcagcttta gccaaagta agctcgtctt cctgggtgac caatccgtgg 120
gcaaaaccag catcatcact cgcttcatgt atgataaatt cgataacacc tatcaggcta 180
caattggtat tgattttcta tcaaaaacta ttatcttgaa gatcgaactg ttcgactgca 240

gttgtgggat acagctg

257

<210> 32043
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894686H1

<400> 32043

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 tgtttcgtat tctcaaggca cttctttttc ttggcttctt gtcagtcatt actgtattat 120
 ttgtgggatg tggacttacc atagcagatt tgtttgctgc cattatcgcc ttcattgcat 180
 ctggatgggc aattattctg attgcacaag atgcaaggta tgcttgaaag gagctaaact 240
 atgggactca gtgaaa 256

<210> 32044
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894687H1

<400> 32044

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 ttagtatggg cgcagggtat aagtgatcca tttctaaggc ggcttattct aagattcata 120
 ttctgccgat ccgtgatatc ttttttctgc ccacctgagg aaagtgaact gtacctgcca 180
 ctttgtttac cccatctacc gtcttctgtg caccaacgtc tgaagctgtg cgttctgctg 240
 ttgtgcaact tgcc 254

<210> 32045
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894689H1

<400> 32045

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aatgggaact gttgaagctg caaacaagga tgcaaatgga agtctcctag agaaaaatcc 120
 ttcagttggtt tttgtgttag gtggcccagg aagtggaaag ggtacccaat gtgcaaatat 180
 tgtccaaaat tttgggtata ctcatctcac gctggtgac ttctgcgagc agaaatcaaa 240
 tctggttctg aa 252

<210> 32046
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894691H1

<400> 32046

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 ttttgggcat tatggagagt tagttcatgt gaagattcca gctggcaagc gatgtggatt 120
 tgtccaattt gcggaccggt aatttagtca ttcagatatt tgggtgttta tcttgtgtta 180
 aattactttg tctatatgta ggtcctttta ttgtaccatg aggtttcggt ttcatgcac 240
 aggagct 247

<210> 32047
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894692H1

<400> 32047

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 tccttatcag aagcgcttcg ccccgagat tctcgcttcc tcaccttcaa accttcttcc 120
 atcgctttta atcacaaaac taacctatcc gcttccttcc gatccattca ctgctccct 180
 cttaaaacct ccttacggat caaatgctcc aaacagatgg gaatggaagt cctgcaaaga 240
 ggacagtgct tcatga 252

<210> 32048
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894693H1

<400> 32048

gcaatgtata acaagggatt ggattatcct gcagcatagg tgaggggaagt gtataacttct 60
 ctttctcatt tttatacctt gtgatagcaa agacaattta tgagtgtctga catatttagt 120
 ctttgatgta actttttttt atggatctta tccctctcaa cacttgctgt aaagactcac 180
 ttatataata aaatcagggt atgtaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa gggggg 256

<210> 32049

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700894694H1

<400> 32049

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 acattgtgca tcatgcttac tttgcttctt ctaggtcaga gtgagttggt gtgtatggca 120
 gcagtgcagt gtaacgcgtt gcagctgagt gcatgtgccca gcgccatcac gtcctcaact 180
 cctccttcag ctctttgctg tagcaaactg aggaacaaag gccttgctt tgccagtatt 240
 tgaaagaccc caa 253

<210> 32050

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700894695H1

<400> 32050

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 catctcacag taaaaaaaaat ccgggatagc gtaaatatgt gaagacttca gagtcacatg 120
 aggaaaaatt cctggacctc aagctgcaac ttcagggtccc cagtgaagg aagcttttaa 180
 ttgacgacca aaccaagtgg aataacaacat atagatgctg gtggcagctt ctgaactaca 240
 ggaagtgttt tcttgtttg 259

<210> 32051
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894701H1

<400> 32051

agaatgtctt acgcttatct cttcaaatac atcatcatcg gtgacaccgg agttggaaag 60
 tcttgtcttc tacttcaatt cacggacaag cgctttcagc ccgtccatga cttgaccatc 120
 ggtgttgaat ttggtgccag gatgatcaca attgataaca agccaatcaa gttgcaaata 180
 tgggatacgg ctggtcaaga atcattcaga tctattacaa ggtcttatta cagaggggct 240
 gcaggtgcat tgcttgttta tgatat 266

<210> 32052
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894665H1

<400> 32052

ttatgcttgg atgaaggagg ctttggatga attggtcaga agacaaactc aactgcattc 60
 caaaaaggat ggggatatga gtaggttgta aaaaaaaat tgtatagcgt gtttggttcc 120
 aagtcacaga cgtgattttt acacgcttaa tcagaaacta atagttatag ttttcacatc 180
 ctaaatgcga tttcttactt ctcaaaaaat ttcaaaaag cacttgggtct cttgcttttg 240
 gaatctacaa agtggtagaa c 261

<210> 32053
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894702H1

<400> 32053

ctggacttaa atttgtctgt tttggagcag tatatggagg acttaacttc gtagtatatg 60
 tccagtgtct ctgggagctg ttccgtggat ttgaagaaag accttttctt ccaattgccg 120

agtcaaagtt taaggcctaa gttctctgag ctctcattca acccacttcc atcatcaact 180
 tcttcctttt cttcaccccg tacattcaca actctggccc tcttcaaate taagaccaaa 240
 gccgctcctg 250

<210> 32054
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894703H1

<400> 32054

gttagactct cgacagattc acaaagcgct ccaataagtc atactaacia tctcacagac 60
 acacggcaag gaaaaggagc acaaagattc aggccaatgg ggataacccc gagggaagaa 120
 caaaggcaca gatgacataa aagctcagtc aaatcagcta tagcagaata ggacataaca 180
 taacaagatc agctgcaaata gaagttaaac agaaagtttc ataagatatc cccaaaaaga 240
 tgaacaggag aaccagtgcc ttc 263

<210> 32055
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894626H1

<400> 32055

gttttaacia gaattatata ctgatgtatt attatacatg caaatctgta caaattcaat 60
 gtcactgcaa atggtaaaac caatcaaact ccagtaacat tgaatttgta cagatttgca 120
 taactaataa tacatcagtt ttaacaagaa ttatatactg agaaaatcat attttgcaac 180
 cattttcaca ttttttgctg tagatacttg aaggtaagcg atcctattga ccaataatat 240
 cccgaaacat ctggttgatg 260

<210> 32056
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894627H1

<400> 32056

cacaaggccg aaagcaagct catcctagag ttttaaaat ggcagcagcc tcctccatgg 60
 ctctctcttc cccatccttg gctggcaagg ccgtgaagct gggcccatca gccccgaag 120
 tcgggagggg cagcatgagg aagaccgtca ccaagcaggc ctctccgga agcccatggt 180
 acggcccaga ccgcgtcaag tacttggggc catttctggc gagccccgt cctacctcac 240
 tggcgagttc ccaggtgact 260

<210> 32057

<211> 76

<212> DNA

<213> Glycine max

<223> Clone ID: 700894629H1

<400> 32057

gtttgtcaga gaaggtgtgg ttcattgcagt tgaccaactt attttggctg gaaattcaac 60
 caatatatcc acacaa 76

<210> 32058

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700894631H1

<400> 32058

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 ctctctctct ctctctctct ccctctctcc ttccccaaga tgtcgagcgc cgatcccgag 120
 caccgagaag aggaggaggc acccgccgtc ggcgacgacg aggacaccgg agcacacgtc 180
 gtcctcatcg tcaagctcga ggaggttgct gtcaccccg cgaggaggac gaagatgcaa 240
 tcctagatct caaatcgaa 259

<210> 32059

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700894632H1

<400> 32059

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 caccaacacc aaaccttaaa attattttgc ccctctgctt ctctctctgt ctttctcaga 120
 agacaactca aaaaaacat ggacgtgggt cagatgcaga gacagtggat cgactacacc 180
 aaatccctct tccttgaggg cttcctggat ggtcagttct gcaacttcag cagcttcaag 240
 atgagaacaa ccctgacttt gtggt 265

<210> 32060

<211> 266

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700894634H1

<400> 32060

ggaagagaac tggaagtggc tgttcagaga aacaggtttc gcccgttaca acatcatcaa 60
 gatcaacgct cttccttcca tcattgaggc gtttccaatc taacgaagag gaagccacta 120
 cacttcatgt gcgtggtttt atgttgcatt tgttgttatt attattaaca gctatgtgat 180
 cttcgtgtga tgtggttttc atcggcacnc gtgttatgtt gtgtattaaa taaaagtatg 240
 aagcgcccca ccaccaagta atatgg 266

<210> 32061

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700894635H1

<400> 32061

tatggtggtt caatggacga aaatgactta tttattgaac cgacaatatt gctggatccg 60
 ccacttgatt cagcagtcac ggctgaggaa atctttggcc ctgtacttcc aataatcacc 120
 ctggagaaga ttgaagacag tgttgagttc ataagctcga ggcctaaagc tttagctatt 180
 tatgccttca cgaaaaacca aactctgcag agaagatggg atctgaaaca tcacagga 240
 gtcttgatt caacgatgca 260

<210> 32062
 <211> 93
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894636H1

<400> 32062

atccaacaga actgaagata tcgtagctgg aaacgtctag cacccacaaa tgggtaactc 60
 ccatggacac cggcatcgca aacacggtaa ctc 93

<210> 32063
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894638H1

<400> 32063

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 attgctgttg ctacttatct tattgataaa ctagctctga gggctggcaa tgagaaggat 120
 gatgatgaag ctgatactgt tggttgctgc acattaaaag tagagaatgt gacaagagaa 180
 ccccccaaca aacttaagtt taacttcctt ggtaagattc tatcaagtac gaaaatacgg 240
 ttgaggttga gcttcctgt 259

<210> 32064
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894640H1

<400> 32064

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 tgcgccaccg ccggaaaatg gaggcggtgg gtctgagact cagccgcgcc tcctcccgtc 120
 acggcgcccc caccgtgttc agcggccccg tcagaaagtg gaagaagaag tgggtccacg 180
 tcacccctc ttccttacct aacaacagct ctcatctcac actaacaact ccaccaccac 240
 cagcagcgct tcctctcg 258

<210> 32065
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894641H1

<400> 32065

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 cgaccacttg tgggacgaca ccgtcgccgg cccaaggccg gaaaacgggc tcggcaagct 120
 ccgaaaacac cacaccttca ctttccgacc tagctccggc aaggaaacgg agggcgggag 180
 cgtgagatcg tacggagacg aatcgtcgga ggaacgacga gagtgacgcg tagtatcatg 240
 atcgtgaaac cgcccggg 258

<210> 32066
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894642H1

<400> 32066

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 gatcaagaca agtacctgca aacgtatagt gaaggagctg cattccttatg agaaggaagt 120
 tgagagagaa gctgccaaaa cagctgatat gacggaaaaa ggagctgacc cccatgatct 180
 caagcaacag gaaaatgtgt tggcagagtc tagatgatga ttcttgactg ccgcaagcgc 240
 cttgaggccg ctttgcca 258

<210> 32067
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894644H1

<400> 32067

caacagttcc ataaccctct ctctatcttc cttcactcac ttaattttga caatcccaat 60
 tcaattccca tcagaatgat taattttcaa gcatgttcaa acaccatctc aaacttggtc 120
 tatgtttggt ttgtcctttt accaaccatg gccttaggag attgcacttg tgacacaata 180

gagggccacaa agagtgactc aattgaagtc ccactacaa aattgggtca attgcttctg 240
tgcttgttgc tggggc 256

<210> 32068
<211> 107
<212> DNA
<213> Glycine max

<223> Clone ID: 700894645H1

<400> 32068

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cctggatttt gggttttcaa aaagaaaaaa aaaaaaaaaa aaagaag 107

<210> 32069
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700894646H1

<400> 32069

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gaaatggcgc ctgtttcagc tttagccaag tacaagctcg tcgtcctggg tgaccaatcc 120
gtgggcaaaa ccagcatcat cactcgcttc atgtatgata aattcgataa cacctatcag 180
gctacaattg gtattgattt tctatcaaaa acatgtatct tgaagatcga actgttcgac 240
tgcagttgtg ggata 255

<210> 32070
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700894647H1

<400> 32070

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cgtcgcagtg ggcccgcacc tccgggtctt cgacctctg taagcaaccc ttcccaactc 120
catctctctc acttcaactc agttacatta tgctgataaa cccacagtag cggttctgca 180

gcttctttaa cgcagcactc tgatggcgcc gtccgttcca caaggacaac atcccagcca 240
 ttcgcttcgg cgcaaaag 258

<210> 32071
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894649H1

<400> 32071

ctcgagccgt tcgaattggg gtcttgctaa gaattttagc actagtgttt gtgtcaatat 60
 tggtagtttt aggcctaggg tcgtgtcctt gacaccgcat gtagcgctgg attttaggaa 120
 tcactctaca tcggttgatt ctcattctaa tgacacgagc tttgagaaga ttacattca 180
 aagtggcttg aatgtcaagc cattgataat tgaaagaatg agactgatca cagtaaattg 240
 gaggaagttg ctgaagaaag at 262

<210> 32072
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894650H1

<400> 32072

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 cattcaggag ggttgagcac tggaggatct gtggctattg gaattgtagt tggttttact 120
 gtcctcagcc ttgttatggc cgtgtggttt gtacagaaga aaaagacgaa gggaacagga 180
 tcaagaggtg gttatgctgc tgcttctcca ttacctatc ccacaactca ggtacattat 240
 tcttgaggtc gcagtctcca 260

<210> 32073
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894651H1

<400> 32073

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 atattattta tggaaataag tgggtggcttg gtagttattc ccgccattt ctctaattgct 180
 gcctaataat ttaaaggagt taatcaggcc aatgatacag aatgctgcct actatttctt 240
 tttgtttttt att 253

<210> 32074
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894652H1

<400> 32074

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 ctactattta attccttgcg ccattaccaa tgtttttatc ctgcaaaaca tacatagtag 180
 tagtatttga tatttgctag gatttcaggt gtgcgctgaa acctccgtgt cccacgaaaa 240
 ccttacaaaa ttgaattgt 259

<210> 32075
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894654H1

<400> 32075

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 acagccaaga agaatttggt cgtgatcagc taaacagagg tctggtacca cttggaattg 180
 acgttcattg tttatctggt ttaataaagg cttgtttaga gagcttccaa cgggggtact 240
 tgattccctc acccccgaac 260

<210> 32076
 <211> 257

<212> DNA
<213> Glycine max

<223> Clone ID: 700894657H1

<400> 32076

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acgatactca tccaaagaaa ttttgacact gccgcagcag atgtttaaag gattcgggat 180
cagcctaata gacaccttgg gatttagcag ttcaacaac aaatggaatt gcatgactcg 240
ctccatgttt aaatttc 257

<210> 32077
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700894659H1

<400> 32077

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gttgtcaagg tagcaaggag aaaaaatcaa agacagaatt tactacttcc tatggatcag 180
cagccactgg tagtggtggt ggtactagtt aaacactggt cagcctccgc cgccgccacc 240
accacctact actact 256

<210> 32078
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700894625H1

<400> 32078

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tgagcgtcgg cgagaaccag ctccgatggg gtttcatccg caaggtctac ggcactctct 180
ccgcgcagat cgtcctcacc accctcgtct ccgtaccacc gttttctata ctccaatcaa 240

tgacctcctc aagggcaatt c

261

<210> 32079
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894661H1

<400> 32079

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 tgatgttcac agattggcta agatttctaa taaatctcac cgtgatagaa ttcaggattt 180
 caaccaatat cttgcaaaca tgagcgagca tatgatattc ctaaagttgg tcttgatga 240
 ttcaatgaag gccaatc 257

<210> 32080
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894664H1

<400> 32080

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 cgcgcttac gacgcttgaa gttggagaag ccactttgtg gtcacacagc caaaattaca 180
 tgccttcaag ttagccagcc ttacatgctt attgtagtgg atcagatgat tgcacagtta 240
 ttatatggga tctcagct 258

<210> 32081
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894585H1

<400> 32081

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 cgtcatgatg tcacggagcc tttattgatc gaggttgatc agatctacca tcttgcacgc 180
 cctgcctctc ctatcttcta caaatacaat ccagtaaaga caataaagca aatgtgattg 240

<210> 32082
 <211> 97
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894586H1

<400> 32082

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 aatgtggaat attatattta aatttataac gttattg 97

<210> 32083
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894587H1

<400> 32083

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 atgcttgtaa gctcctcttc caagagttaa tggctatggc catagctcca agaatgctta 180
 caaaggaggt caaaactaca aacccaaaaga agggagcctg ataaactttt tgacgaaagc 240

<210> 32084
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894591H1

<400> 32084

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 tttaagctct agggaaaagt aatattctat ctgcgataag aggaagacca ccaccacaca 180

acatagctct gctcaaaaac acaaacacag tgagtgagtg agtgagtttg gctaatat 238

<210> 32085
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700894593H1

<400> 32085

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accactggcc acctgatcta caagcttgga ggcattgaca agcgtgttat tgagagattt 180
gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgctgggtg ctt 233

<210> 32086
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700894594H1

<400> 32086

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gcgggcccat cggatcatgg gtggtcctac tctcctcca gcgtgggttac accgtccatg 120
ccaccgtcca agatatcaag gatgaaaatg aaacgaaaca tttggaggaa atggaaggag 180
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<210> 32087
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700894595H1

<400> 32087

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gttgtagcat tcaaattaaa gattgttcga actgcagagt aaactgcagt atagagctaa 120
taatcctcag atcaacgaaa aaaagagttc ttgtaggttt cattgtcatg gagctgaatt 180

cacagaagag accattttca atcaaattat ggcctcctag tcagaaacta ggcagacc 238

<210> 32088
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894596H1

<400> 32088

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 ttgtcta atg aagagacatg gaaaaatcgt aataggccaa aacctatata cagcaaggat 180
 atcctgtccg atgaaccggc tcaacaaaat ggaaatttgg agaaaaatat gaatctgt 238

<210> 32089
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894602H1

<400> 32089

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 tggcatggag aggacatctt tcgaaaaaca taaaagaact tcggtttttg atgtgccagt 180
 catctcctgc aagctcacct gcaagggctt ttgtggagag gatataagga actaaagaca 240
 ttgaaccaaa attgccaata tt 262

<210> 32090
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894603H1

<400> 32090

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ggtgaacgag ggacaccctg acaagctctg cgaccaaatac tccgatgctg tccctgacgc 180
 ttgcctcgag caggacccag acagcaaagt tgcctgcgaa catgcaccaa aaccaacttg 240
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<210> 32091
 <211> 257
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 <213> Glycine max

<223> Clone ID: 700894605H1

<400> 32091

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 ttgaaataag ctgaggattt agaaataaac caatgttatt ctgaacgtga atgatgccac 180
 tatgtataag gatggttttt aaaaaaaaaa aaaaaaaaaa agtaaaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa aaagaaa 257

<210> 32092
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894606H1

<400> 32092

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 gagaagggtt ggatgatctc ataaaattag ctgattatgt cgtgtgtgct gcacggtttc 180
 cacaggcatg gacagaggca tcaacagttt ctaaactt gtttgtatgc ttttaagggtt 240
 gcccaacatc aaatttgtg 259

<210> 32093
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894608H1

<400> 32093

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ggtgctacta gtttgttgaa agagcatttt ttttcaacat cttgatttca tgagtcacta 180
ttttgactga acaaagagat gaggtttatg ccccttcag attaatttgc cgtctccctc 240
ggccgcatac acgtgggcc 259
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<210> 32094

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700894611H1

<400> 32094

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accaggtgta tgcattgctt cttgttcttc atgaggctcc catttaggtc taaaggatta 120
caaaaatgaa aacataaaaa ctaggaatta attaagagca aaaaatagt agcgtgtttc 180
tttgtttatt atttttccat atgtttccaa tatatgtccc cgagtattat ttaacacgta 240
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<210> 32095

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700894612H1

<400> 32095

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aaatggcttc ttgatgaggc tgggtgccaa gagaaattag ttggttggtg tgatgatgct 120
aagtttttct aagttgggtt cttttgtga catatatgag actgtggaat tttttatttt 180
atttcataag ttataggtag ggcctcatca ataattctcg ctttggcctt agagagagaa 240
gtttttcaag cct 253
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<210> 32096
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<223> Clone ID: 700894614H1

<400> 32096

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 accatgccac caaagccttt agactatggg tcaataaatg aaaacgtgaa gaagagtcaa 180
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<210> 32097
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<223> Clone ID: 700894615H1

<400> 32097

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<210> 32098
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<223> Clone ID: 700894616H1

<400> 32098

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 cccctaattt cgagatgggt gtctctaaca aaactcctga atttctcaag atgaatccta 180

ttggaaaggt tcctgttttg gaaacgcccg atggtcagtc tttgagagca atgcaatcgc 240
tcgttacgtt gctcgactaa 260

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<223> Clone ID: 700894617H1

<400> 32099

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aaccaggtat atgaaccaag actggatgat ccaatttcaa ggacatttga gcagtgttct 180
tcagatacat ttcagataga tgggtgcttgt gcattctcaa tttctatgtg tacctatata 240
gatctggggc agaggaaggt tgggagcctg 270

<210> 32100
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700894618H1

<400> 32100

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aagtacacag agactgagat tcagtccgtg tacaactatg aaaccactga acttgttcac 180
gagaacaaga atggcactta tcagtgggtt gtcaagccca aactgtcaaa tatgaattta 240
aaaccaacac ccatgtccct aaact 265

<210> 32101
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700894583H1

<400> 32101

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 cgggcaggca agagacaacc tgggtgaactg aaacatctta gtagccagag gaaaagaaag 180
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<210> 32102
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894619H1

<400> 32102

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 gctgatatct ttgtcaccac ca 262

<210> 32103
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894620H1

<400> 32103

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 ccgcttaact cgctcctctc ttcaatctga taccaagtct gcgcgtcggg ttgtgtctag 180
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<210> 32104
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<212> DNA
<213> Glycine max

<223> Clone ID: 700894621H1

<400> 32104

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cacactccga agattggtgt tcacggtgtc tttgtgtgtt ataatatatt ggtattgttg 120
ttgagcagtt ttcattgaatc aacatcatcc tcttcccact gtaaagcatg gctagtgcaa 180
tccattccca ccgatatgcc ccacttatcc catgttcaag caccctctct accgggggatg 240
tacttcagtg gctggctgca aa 262

<210> 32105
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<212> DNA
<213> Glycine max

<223> Clone ID: 700894622H1

<400> 32105

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caaacactcc gggattgctt acaacaacta gattgattgc tcttgcaagg gaaagccggg 180
gatcaccact aaacgtttgg acggacgcac tccatccatc atcacttaat aagcttgcta 240
gcatgttctc gcagccttta 260

<210> 32106
<211> 79
<212> DNA
<213> Glycine max

<223> Clone ID: 700894624H1

<400> 32106

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caactcgttg gtatgacag 79

<210> 32107
<211> 240

<212> DNA
 <213> Glycine max

<223> Clone ID: 700894549H1

<400> 32107

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 attgtgaaat gtgatgaaga gaaagcattg aagtgcctgc ttgatgcctt tggctcagtt 180
 ttttctcttg aagagattgc ttctgcctat tgcaaggcga gccgcaatgc ggacttggct 240

<210> 32108
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894551H1

<400> 32108

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 aaggaatccc cccggaccag caacgtctca ttttcgccgg aaagcaactt gaggacggcc 120
 gtacccttgc tgactacaac attcagaagg agagtactct tcacctcgtc ctccgtctcc 180
 gtgggtggcat gcagatcttc gttaagacac tcaccggcaa gaccataacc ctagagggtg 240
 aaag 244

<210> 32109
 <211> 118
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894553H1

<400> 32109

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<210> 32110
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894555H1

<400> 32110

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 tgatgcagat gcctcagctg catctgccaa ctccaaatctt ggtactagca cattacttcc 180
 tgcaacatct gctcttgaca tgggaacttt caaatccttt aattgccaaa taccaaggtt 240
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<210> 32111

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894556H1

<400> 32111

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 agtactcttt tgacttgagt tacgttgaga agacaaccac agagactcta gttttgggtg 180
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<210> 32112

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894557H1

<400> 32112

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 cttegetctc tctctctttc ccggcgcattg tgccggatta gacgccaact gcttccataa 180
 ttcacctcct ccaaccaacc aacacaagat ttccctctgg attggatgga gaagcatgtg 240
 aa 242

<210> 32113
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894559H1

<400> 32113

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 ctgcgctttt tctcaccaac cacatccatc atgatgataa caagccaatt actttgtag 180
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<210> 32114
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894560H1

<400> 32114

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 ccaaggctgc acgtaagtct gcaccaacta ctggtggtgt gaaaaagcca catcgttatc 180
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 ca 242

<210> 32115
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894561H1

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 cgtcactccc cgcaccgccg agaacttccg cgcgctttgc accggcgaga agggcgtagg 180

gcggacggca agccccctcca ctacaagggc tcgtccttcc accgcgtgtc ccgagtttca 240

<210> 32116
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700894562H1

<400> 32116

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ccagaacagc cttgagatcg atgggttttagc tcgctttgct gttgaagaac acaacaaaaa 120
acagaatgcc ctttttgaggt ttgaaaaggt agtaagtgca aaacagcaag tggtttctgg 180
taccttgtag accatcactt tggaggcaaa agatgggtggg caaaagaagg ttatgaagcc 240
a 241

<210> 32117
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700894563H1

<400> 32117

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gagatcttgc agtcatccaa tttaaagagc ttaccttgt cagaacttaa gacggccact 120
agaaatttcc gtccagatag cgtgttagga gaagggtggt ttggatcagt ttttaagggg 180
tggattgatg agaattcatt gaccgctacc aaacctggca ctggcattgt at 232

<210> 32118
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700894564H1

<400> 32118

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gcactctacc accaggctcg aatcagggcc attcccttca agtccaagtg attcaatcaa 120

accgttcatg cttaatcaag ttgggaacaa caaaaaaat caaaacaatg tttctgggtt 180

tcggtttcat ttcatacaaga tgatctgttt atcttttttt ttttaatttta attaaagtct 240

<210> 32119
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700894565H1

<400> 32119

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aagggatttg gatctgaaaa gagaagatag ggggaggaat ggaagcaaac aagaacaagt 120

tcatagagga ttggggcact gccagagaga atctggagtt caatttcctg tggactcgcc 180

gcaaccttgc tcttgttggc atcttcggca tcgctattcc cgtcctcgtc tacagggcat 240

<210> 32120
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700894566H1

<400> 32120

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acttgggtctt cttgttttat atttgggcaa ggctgaagca agggacaaaa tatgcagggc 120

aatacaatat ggttccaaat ttttgagtaa cggggaacct ggtactgctc agaatgtcga 180

caaaacaacc agcttggcac gaaaagtctt ccgtctttta agtttgtcaa tacctacatg 240

ctt 243

<210> 32121
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<212> DNA
<213> Glycine max

<223> Clone ID: 700894567H1

<400> 32121

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 tcccaatcaa ttctctcatc accataacca tcaatctcgc caacacaatg ttctctctcg 180
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 aatct 245

<210> 32122
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894569H1
 <400> 32122

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 ttctctctct cactctctcc ctcaacacac cattaattta ggtttcagct ttatttggaa 120
 gagggttgta acgctgacgt gaaatttttc tgaagacaaa gatgcaggct tgtacaacga 180
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 <223> Clone ID: 700894571H1
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 gagagtatcc aaaggaagat tttgtacgtg tttgcactat tgctgcggcc tgtgttgctc 180
 cggaagcaaa ccaacgacct acaatgggtg aagtgggtaca atcacttaaa tgggtgcagc 239

<210> 32124
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894573H1
 <400> 32124

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 tcagcctctg cccacaagga cagctccatt accaccctat ggcattgaca tcgataactc 180
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<210> 32125
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894574H1

<400> 32125

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 cacgtaagtc tgcaccaact actgggtggg tgaagaagcc acatcggttat cgtcctggta 180
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 tc 242

<210> 32126
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894575H1

<400> 32126

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 cgtttctctg aatccctttc tgtaaatcat ctgtctttca agctaagatt ttcggggttg 180
 tctattaatt caccaagaag caaacttaga aggatttttc gaaagccggt gttttcaga 239

<210> 32127
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894576H1

<400> 32127

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 ttgagaatca ttatagggtc cagatgaaga acatccaaga gaggaaggag aggcgttggg 180
 ttttagaaag aaaattggcg tcatcggatg tgccaaatga ggaacggaca acctcatcaa 240

<210> 32128

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894577H1

<400> 32128

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 aattcttctc gcgattcacc gttcccaggt cttcctccaa atggaacagc cgcctcaa 180
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<210> 32129

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700894578H1

<400> 32129

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 acctttgtga aggtttacaa gtcaggggtcc tttggaagat ccttggacat cactaaattc 180
 accagctacc ctgagctacg cagtgaagctt gctcgtatgt ttggcctgaa ggtgagttgg 240

<210> 32130

<211> 98

<212> DNA

<213> Glycine max

<223> Clone ID: 700894579H1

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<210> 32131
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700894548H1

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gacgtggatc gtgtccatgc cgtggaacca gcaaaatctg cattagctat caaagcccaa 120
attcgacgca gcattgaagc cgaaggcatc ccctatacgt acgtttccag caactacttc 180
gctggctatt ttcttccac attagcacia ccagggtgctt ttgctccacc tccaccaaag 240
acaa 244

<210> 32132
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700894580H1

<400> 32132
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atatgtaaag aaatgccatg ccccgatggc ttcttgaact ctgcttttac tgatttttga 180
gactaagcgt ttacttttgt atctccaaca ttcaatctcg gtgcttttct atctagaaaa 240
a 241

<210> 32133
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<212> DNA
<213> Glycine max

<223> Clone ID: 700894581H1

<400> 32133

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gtctccccgt tgggatcgaa gccttcaacg tcgatacgcc tcgggaaatg acccccagaa 120
tctacatggg cctatccctt ctccaacaag tcttcgaaaa ctcttccatg acttgcaacc 180
ggatttcacg gtcaccgaca tgttccaccc ttggagtg 218

<210> 32134

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894582H1

<400> 32134

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taaacgactc tatctctctt cgttttgttc ttccttgccg tcctcctcgt tcgttcgttc 120
tccctcgcgt agatcggcaa tggcggagac cgagacgttt gctttccagg ctgagatcaa 180
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<210> 32135

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700894506H1

<400> 32135

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cttattccat ttgacattag aggcctgtgt cgaatacttc atcctccagt tatgacttgt 180
ttcccattct catttggtta gaaagtgcgc tttgtggcaa cacatgatcc agatattgtg 240
aagtactct 249

<210> 32136

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894508H1

<400> 32136

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cagccatatac agcagcagca gaagtccttg aagtgtgtct ctagtttgag gcacaatgag 120
attggagaaa tgctgggtttt gctcttcaac catataccct ggacatggaa tccagtttgt 180
tcgtaatgat gcaaagattt ttcgggttttg tagatctaaa tgccacaaga actttaaaag 240
aagagaaa 248

<210> 32137

<211> 105

<212> DNA

<213> Glycine max

<223> Clone ID: 700894509H1

<400> 32137

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agaaataatt aaactataag ctacctacct tccaatcatc atcac 105

<210> 32138

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700894511H1

<400> 32138

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ctcatctgtt gactgggaga aagactcact agctgtccga agccagtcac agttgaaatg 180
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atggg 245

<210> 32139

<211> 246

<212> DNA

<213> Glycine max

<210> 32142
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 <212> DNA
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<223> Clone ID: 700894520H1

<400> 32142

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 cccacctttg gagttcaagg gtatgagcaa ggaggaggaa gactcattgc tagggcaagt 180
 tgaaatatgg aggtacatga catgcttcac ggactccgtg gccttgaaat ccgtcaagag 240
 ctgcgc 246

<210> 32143
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 <212> DNA
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<223> Clone ID: 700894523H1

<400> 32143

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 aacatccaga aggagtcaac ccttcacctt gtccttcgtc tccgtggtgg catgcagatc 120
 ttctgtaaga ctctcactgg caaaaccata accctagagg tcgaaagctc tgacaccatt 180
 gacaacgtca aggccaagat ccaggacaag gagggaatcc cccagacca gcaacgttca 240
 tcttcg 246

<210> 32144
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 <212> DNA
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<223> Clone ID: 700894524H1

<400> 32144

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cctgaaggga acattggtgc tgccaaacta gctcttcaaa aaaatgggtt tgcccttcct 180
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 gtgc 244

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 <213> Glycine max
 <223> Clone ID: 700894526H1
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 atcctgagac tcgacagact gttgaaaaaa tgatgtttga ccagaggcag aagtctatgg 180
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 tccgg 245

<210> 32146
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 <213> Glycine max
 <223> Clone ID: 700894527H1
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 ctaattcgat atcctcctcc tcagaagaag aaggatcgat gtgggcagct tcttgacctg 180
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 ccgttccg 248

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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894528H1

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 aagaagatcg cgattcccc aacgctttgt tgccataact cgcggaatcg acatcatatt 180
 tcgacaaaagt ggtaatggct tatttggagg atgatggtag ttctggctct ggtgagatgt 240
 gcat 244

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 <212> DNA
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<223> Clone ID: 700894529H1

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 aagatcgcca gacgccgtct ccgggaggag atggccagac ttactttcca acaactcatc 120
 tctccactgg actttctgcca cagccgcggc gtctaccacc gtgacctcaa gccagagaac 180
 cttctctctcg acgacgacgg caacctcaag gtcaccgact tcggcctcag cacttctccg 240
 agcac 245

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<223> Clone ID: 700894530H1

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 tctctctgtt atcgacccct ttgatctcta ttctctatga actatatacct gtgtgcagtt 180
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<210> 32150
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<212> DNA
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<223> Clone ID: 700894534H1

<400> 32150

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 tgctgatgga atgtctatgt gatttcctga gcaactcagg ttgtgtttct aatgtaattt 180
 cagaagatat caaggaccgg gctaaggcag ttgctgaaga atggaaaccc agattgatgc 240
 tcttga 246

<210> 32151
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<223> Clone ID: 700894535H1

<400> 32151

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 gaacaggacc cagacagcaa gggtgcctgc gaaacatgca ccaaaaccaa cttgggtcatg 180
 gtcttcggag aaatcacgac caaggccaat gttgactacg agaagatagt gcgtgcacct 240
 gcagg 245

<210> 32152
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894536H1

<400> 32152

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gttt

244

<210> 32153
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700894537H1

<400> 32153

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gccgactcct gcagtcggcc tcgccactct tcaagcagcg atcgtggtcg ccggacgcct 180
tccgcgatga ggcgtggctc cggcgcaagg ggaactgcaa gaaccgccgc agcaaagcgt 240
caccgat 247

<210> 32154
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<212> DNA
<213> Glycine max

<223> Clone ID: 700894538H1

<400> 32154

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ca 242

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<212> DNA
<213> Glycine max

<223> Clone ID: 700894539H1

<400> 32155

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 aggtgaagag gttattagac ttggcgggtc tacttggaag gattagttat catggaatgc 180
 ttgtatcagg tgttgatgg ctttcatgga gaaaaacatt gggactagcc ctttgttgcc 240
 agatg 245

<210> 32156
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894540H1

<400> 32156

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 ggcttgagtt ttgctgtttt gagtctaagc ttcaagggtg aagtatgttt tggcttaata 180
 tatgatttta attatggctt gagttttgga ttaatatgat ttggcttcta tat 233

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894542H1

<400> 32157

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 actgaaagag acaccggagt aacataaata agatggacca acaaaaccaa aataacactc 180
 cagatggttc aggagaggtg cctttgaagc gcaaactggt tcgtccacgg aaaacccaaa 240
 gccag 245

<210> 32158
 <211> 140
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894544H1

<400> 32158

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<210> 32159

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700894545H1

<400> 32159

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caatctcaaa accttcgcct ccgacatccg cttctcgctt cacctcaccg tcgaagccgt 120
caaagacaag ctctggaaaa aatgcggcac ctctgtcaac tcaatgcacc tccaactcta 180
cgacgacgct cgcaacaaaa ttgccgatct ctctgatcat tccaaacccc ttccttctat 240
tccc 244

<210> 32160

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700894505H1

<400> 32160

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gccaaaaaca atcttaagtt gggagcaaag gtttaaggte atcaaggatg ttgcttcagc 180
ccttttgtat cttcatgagg gctatgagca ggtggtgata catagagatg tgaaggctag 240
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<210> 32161

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700894547H1

<400> 32161

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 cccgatcgag tccccgtgat tgtggaaaga tatgcgaaat gcgatctgcc tgagttggag 180
 aagaaaaaat accttggtcc tcgagacttg tctgttgggc atttcattca tatttgagtt 240
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<210> 32162

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700894458H1

<400> 32162

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 atgaacagct ttccgttget gagatcacca acagtgcctt tgagccatcc tccatgatgg 120
 ccaagtgtga cctcgcacac ggcaagtaca tggcgtgttg tttgatgtat cgcggcgatg 180
 tcgtgccgac agatgtgaat gctgcagtgg ccaccatcaa gaccaaga 228

<210> 32163

<211> 118

<212> DNA

<213> Glycine max

<223> Clone ID: 700894459H1

<400> 32163

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 gaatgtatct aaagaatctg ttgctgacca agatattgga ctgatgagaa cagaatgc 118

<210> 32164

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894460H1

<400> 32164

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 gctggatgaa gagtttgagg ctgttggtgg ggactttgga ttggccaaac ttatggatta 120
 caaggacacg catgtgacaa ctgctgtacg gggaactatt gggcatatag ctctgagta 180
 cctctccacc ggtaaactct cagagaaaac tgacgttttt ggttatggta tcacgttctt 240
 ggagctg 247

<210> 32165

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700894463H1

<400> 32165

tcattcttct ttcgttgcta cttctactgt ttcttctcc gatccctcat tgccgcaaatt 60
 gactcctcct gctagtgtta ggtgaattcc ctgcttcac atgcatgac gcaccttcaa 120
 ctctcttctt cttcttcttc tccatggctt tttttcaagg ttttggcgcc gtggagttcg 180
 tttttagtca tcaccgtatc atcagcttca gcttgcttcc accaaaacgg ctttactatt 240
 tgggtgtgtt 249

<210> 32166

<211> 91

<212> DNA

<213> Glycine max

<223> Clone ID: 700894465H1

<400> 32166

ttcggttcca tcttctccga tctcctcaaa ctctatcagc gcagaaccaa gcctctatca 60
 ccatggggaa gacacatgga atgggagctg c 91

<210> 32167

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700894466H1

<400> 32167

tgtgattctg attttctgat aatcacacaa tcgtggacca agaccaccgt tgcttcttct 60
gcaccctagt gatgattggt catcattgag tggcacctgc taatgcattt aaaagcaatc 120
gatattttcc ttttattttt ttttcttcca aatatttggtg tttgtacttt tcttttctct 180
atttatcctg tgaaaaacgg tggataatta attcaggcaa atgatttttt 230

<210> 32168

<211> 185

<212> DNA

<213> Glycine max

<223> Clone ID: 700894467H1

<400> 32168

cttccactgc gacccttct tcggttcgac gagattttaa cccatttggg tggactggtg 60
atccgctcct gtgcgaggct tacattaacc acgtccacac cggtgaaagg tacgatgtgg 120
gatcgctttt caacgttact gcaaacaatca tcaagcgtgc tactgcactt gctgaccgtg 180
ttgct 185

<210> 32169

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700894468H1

<400> 32169

cttgcacgac ggatcaccca cccatatcaa caaattacgc cgcaaaattc ctcgcctgct 60
gcacggcgcc gccgccgccg ccgcgattaa ctctcggac cgaaagcgaa gagcgaaagg 120
caaatagaga tgaacgcttg caggtgacgt ggcacatcca aacttacttt tgatttcact 180
taccctaaacc gccacacagc agacactggt tccttactct cgattcgacg ctcc 234

<210> 32170

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894471H1

<400> 32170

tgagagggca ggggtggatga gcaagtacaa aattcaggcc aaaaataaca ccctgctgc 60
tcaggagaaa tgtattgttc gcctgttgct ttaccatttt ggtgtcaatc tacctgttat 120
ggttttttca tatcccgctc tcagatacat gggcatgcgg agtagtcttc ccctaccgtc 180
ctggaaagta gttctaattc aaataatctt ttacttcatt ttggaggact ttatattct 239

<210> 32171

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894472H1

<400> 32171

caaggaaact tgatgagacc actccagtgc ctgccacaaa cggtaactga gaaaagtgtg 60
gatcatgtgg tggtagcact tatccgtcgc caccgccacc gttactacca ccaccgtcgc 120
caccaccgcc ttcaccaaag aaaacaccac cctctcagta ttgtccgcca ccaccaccgt 180
catcgttcat atacatcacg gggccgccgg ggaacttgta tccggtcgac gagaatttc 239

<210> 32172

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700894473H1

<400> 32172

ccgaaagtta gagtaaaact taacataaag gaaccaagat ttgggtgggc cggtcgggc 60
acacacatgc gagcattgga acgatacaag ccatcaatgc taatggaaag ctccgaatat 120
acacgccaga gggatcaaaa gcatggatgt tggacccttc agaagtggag gtggtggaag 180
agaaggggtt ctgcattgga gattgggtta aggtcaaagc attagtttca cccccacca 240
ccat 244

<210> 32173

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700894474H1

<400> 32173

tgcttggtgca cagggttatgt atgcctttgt aatgcgtcct gagagcttgc caaaatccta 60
tcaagacttc attcaaaaga ctgggccagt tgcagagcct gtatacaagg ctgtaaggga 120
tagctgtaga ggatcattcag ttgatgttgc ttcactacat gcttatttat ctctgttagg 180
aaagatcgac tatgcaaagt tggaagaatt tcctccata attccgtgtt ccccca 236

<210> 32174

<211> 128

<212> DNA

<213> Glycine max

<223> Clone ID: 700894475H1

<400> 32174

ctcgagccga atcgggtcga ggtcaagacc gacaactcat gttagcgaat taatttactc 60
actatactaa ctctaaactc caacttcagt aaaatccccc ggggtttcga tggatcttga 120
tcccaatt 128

<210> 32175

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894477H1

<400> 32175

atggaattga aatacgcat gcaagaatct ttaacacata tggaccacgc atgaatattg 60
atgatgggag tgttgctcagc aacttcattg ctcaagcact gcggggggaa ccattgacag 120
tccaatgtcc gggaacacaa actcgaagtt tctgttatgt ctctgacctg gttgatggcc 180
ttatccgtct catggaagga tcaaaccaccg gaccaatcaa ccttggaac ccaggtgaat 240
tta 243

<210> 32176

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700894480H1

<400> 32176

catgactgga gcgacgagca ctgcatccag atcttgaaga actgcaggta tgcaatacca 60
tagactacag gctaactcat aatcgtggat cacgatcttc gatccgatag caaccgaatc 120
ttcagagatc gttggcatcg catccgagat gatgcttctc gatcataacg ccggtagcaa 180
agag 184

<210> 32177

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 700894484H1

<400> 32177

aatcgtccca acggcaatag caacagcatt aataataatc cctcccttgg tcagctggct 60
tcacattaca tagcgggttaa gtttaaaagg ctttattcat ctcttacagg acgaaagttg 120
tatgtgtcgc cgggtgaaggg gttggagcct ggtagtggtg atgcatcact taaatacgcc 180
aaagaaattt tgaagtggag tgaagagaga ccaaac 216

<210> 32178

<211> 205

<212> DNA

<213> Glycine max

<223> Clone ID: 700894485H1

<400> 32178

gggaaaaatc aaatcaacat gctgagagtg ggcgcaaaga gggttttgga aacgacgttg 60
tttgggggta gggttccggc gaggctgtac cacgagaggg ttgtggatca ctacgacaac 120
ccccggaacg ttggatcggt tgacaagaac gacccgagcg tggggacggg tttggtgggg 180
gccccggcgt gcggcgatgt gatga 205

<210> 32179

<211> 206

<212> DNA

<213> Glycine max

<223> Clone ID: 700894486H1

<400> 32179

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 tgaaaattat gaagggttct gatgccattg gtttagctcc cagggccatg gaaaagtcta 120
 aaagcaggat ttagggatc ctggatttcc tcttttgtct aatcaagtgt ttattgttgg 180
 atcctccgaa ttgggaaaac caaagg 206

<210> 32180

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700894487H1

<400> 32180

attgaagctg tcaggatgtc caaaaaagct ggatggggtg tcatggccag tcacagaagt 60
 ggagagactg aggatacctt cattgctgac ctttctgttg gtttggtac ggggtcaaatt 120
 aagactggag ctccatgcag gtctgagcgt cttgctaaat ataaccagct cttgagaatt 180
 gagaggactt tggctctgaa ccagtgtacg ccggagctaa cttccgtacc cccgtt 236

<210> 32181

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894488H1

<400> 32181

gtcaaggtta ccaccagggc agctggtcgg aatggacaat ataggaacat gttgaactct 60
 agaggcattc agaagaggag aagttctctt aggaaaagga agcccgtagt cttcaatgg 120
 tgagtatacg cagaaatggg gcagtagctt ctgatttaac aggtggtagg aaaaacaata 180
 gccaattgcc tgttgtgacc tctagcagga aacttaggag tatggccaat gatagcac 238

<210> 32182

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894489H1

<400> 32182

tagaaagaaa aaaacttaaa tcaaaatact taatagcatg gcgatacatt tatacaaaac 60
 ttctacccca agcacacgca atggagccgt agacagtcaa gtaaaatcca atccacgaga 120
 tcatttgatc tatggacagc atcggtgtgg taaaggccgt aatgccagag gaatcattac 180
 cgcaggcata gagggggagg tcataagcgt ctataccgta aaattgattt tcgacgga 238

<210> 32183

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700894490H1

<400> 32183

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 catgtccatg catcgctacc tgaggaagat tattgggaag ctgtttggcc aaacactccc 120
 attcccactg cactgcgaga gcttctaaag cctctccctg caggtgtaga aatcgatgca 180
 ctcc 184

<210> 32184

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700894491H1

<400> 32184

ggcttctctt gcaattacag ctgttgccat ctctacgccg agttccgggc agaagaatgg 60
 atcaggaggt tgttttctta gtggaaggaa tttagagggtg aaaaaggaga gagcagcaat 120
 tggaggacga tcgatgggca ctacagtgtg cgcagttgct gagcctgaca gacctctatg 180
 gttcccaggc agcaccctc ctccatggct tgatggcact ctacctggag acttcg 236

<210> 32185

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700894492H1

<400> 32185

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tgtttatctc ttttcttctt tttaaaattt aaagtctttg tattttgtat gtaaagatgt 120
aaaattatga ttattaggtg gtgcatgtgt cgcgtcatgg gccaatgtta tcctctgctt 180
ttaagttgga agaggcccaa ctcatgtgtg atgtacggct gtgattgtgt aatttaattt 240

<210> 32186

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894494H1

<400> 32186

gcagtgaaga cactacagaa cacaacacaa acacagagaa agagagtga taaatccagc 60
attgttctgt tctctgcaac attctccact ctcaaccatg gcttcaaagc ttttactcat 120
cactgtcttc gtttttgatt tgattgcttt tggacttgcc gtggctgctg agcagagaag 180
aagcaccgct agtgttgtga cggacaatga aaagaattat aattactgtg tctataactc 240
tg 242

<210> 32187

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894496H1

<400> 32187

acacaacaaa aaaagacaac acagagagaa gcgtcttaat aaacgctctt ctctgaaaaa 60
cctgatttct tctcttcttc tcttctcttt cgtttcgatc ttcgatctct gaaaatgaga 120
gagtgcattt caatccacat cggtcaggcc ggtattcagg tcggaaacgc ctgctgggag 180
ctctactgcc tcgaacacgg cattcagcct gatgggcaga tgccaagtga taagactgtt 240
ggcggagg 248

<210> 32188
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894503H1

<400> 32188

gctcctctga ttcattcacc cagttttttt tttctgtcct cttttcctct cagaggagcc 60
 tctgagtctg ctcaggtggt ccttgtgaag agatcctttt gtttttgagg tgtgaaggga 120
 aagaaaaaaa aaaaagggtga atcagtgtgg ttatcagcag aagaatgctt tgacaagctg 180
 tgaggagatg aggatggaat cagtgggtgtg ccctaaacca cgaagattgg gcctgttgac 240
 cactcaacct tt 252

<210> 32189
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894457H1

<400> 32189

gtacaaagca cacgctccac atttgtgtttt ccggtgaata ttccggcaac tgcattgcacc 60
 ggtgaacgac gccggcaatg gacgagtcac agagaatttg catcggctta atgcgtagtt 120
 tcgctcgccg gagatcggtc gaggaccggt catcttcccg gcggcgacgc tccatcttct 180
 ccggcgcggg catttcggaa tctgtggacg ttgacgactt tgccgacgtc tttggtggca 240
 caccg 245

<210> 32190
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894504H1

<400> 32190

tcggccagaa cctcgacggt cgtaataataa ccgtgaacga ggctcaatcc cgtggaaaag 60
 gtggcggcgg cggcggcggc ggctacggag gagtggtgg tggttacggt ggcggcggag 120
 gttacagccg cggtgaggga ggatatggtg gcggaggagg ccgccgtgaa ggtgggtata 180

accgcaacgg tgggtggagga ggatatggtg gcggtggcgg cggatatgga. ggtggtggag 240
ttatggtggc g 251

<210> 32191
<211> 77
<212> DNA
<213> Glycine max

<223> Clone ID: 700894417H1

<400> 32191

gtgactttgt tgagaagaat caacggtaca acatctctga ggatacctgg caacaggttc 60
tagctttcag ctgggga 77

<210> 32192
<211> 101
<212> DNA
<213> Glycine max

<223> Clone ID: 700894418H1

<400> 32192

ctttcttctt cttcctcagt agtgcgattt tgcattctct tctctgcaac tatgcctaac 60
cctaaggctt tcttcgacat gaccatcggc ggtcaacctg c 101

<210> 32193
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700894419H1

<400> 32193

ggaactggga aaacagcaac tttctgctct ggaattctgc agcaacttga ctatcgtgtg 60
actgaatgcc aagccttggg tttagcacca actagggagc ttgctcagca aattgaaaag 120
gttatgcggg cactcggaga ttatcttggg gtgaagggtgc acgcatgtgt gagaggtacc 180
agtgttcgtg aagaccaacg catatctatc aagtgggtgtt cctgatgttg gtggtact 238

<210> 32194
<211> 242

<212> DNA
 <213> Glycine max

<223> Clone ID: 700894420H1

<400> 32194

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 ctattcagat gtgatctgct acacactcca gctacagtga aaaactccgc aaccctcaca 120
 agaagtctca aatagagata cctgcatcta gatgagcggc tctcacaaca gttacttggg 180
 ctttttcttc tccatgcaaa gctcttcaca aatcagtacc tttggctgct ccacttgcaa 240
 tt 242

<210> 32195
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894422H1

<400> 32195

tgtaataaga gtgtcggaga tacagaaatt tctggacata acaggggtcc aaacttacat 60
 tataaacagt gccaagattg tggtcttgaa tgagaggcct caacctaggc ctggcaaagg 120
 agttaccaac acctgccaag tctgtgagcg caccttctcg attcattcag cttctgttcc 180
 cttggttgtc agatagtagg aacctccaag aagttccgga agaagaaaat gttagctgag 240
 a 241

<210> 32196
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894425H1

<400> 32196

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 ccaactgcga aacagctgtg gaagtccagt attggagtcc ttgaactggg tatattgagt 120
 gctcatgggt tgatgccgat gaaaacaaaa gatggtaagg ggacaactga tgcttattgt 180
 gtagcgaaat atgggcagaa gtgggtgctg acaaggacaa tcattgacag ctttgcaccc 240

cggtaggatga

250

<210> 32197
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894426H1

<400> 32197

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 gagtttgagg cacggcaacg atcttcagat ggttccaagg aaacttcaga agaccctgaa 120
 cttgaccact tcttggcagg atactatggc gtgcttgtga agtatagtga tgaattagcg 180
 cggcgtattc acgaggctat ggatttcacg cgaaggatac atcctcagct agatatgc 238

<210> 32198
 <211> 150
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894427H1

<400> 32198

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 taggtgatga tctcttgaat cacaatcttg gatgcaaacc tcagtagtta cgacctgcct 120
 gtgcgatcta acatgggaac cgttcggacg 150

<210> 32199
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894428H1

<400> 32199

tctccacca agcagggatg tagctgttct tgacttctca tacaagtttg ataagaatat 60
 ggtcaacgcc aaacttcacc ttctagctgt ccctaaatag tttccttggg ctaaaactgt 120
 atctgctgaa gaattttccc ctcaatggaa aatcactttt cttgaccacc tttaaagctt 180
 caagaagtgg ttagaggagt tagaccctt cactgcttg aactggcaaa cttattcaat 240

agctaccatt taa

253

<210> 32200
<211> 254
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700894430H1

<400> 32200

ggaaaatggg gagctgttcg tggcttgtca tgtgtgagga tttcctagtt gccgancgtg 60
ttatgcgtgc ttcaggagtg tattgaatct gagatgtcct taatgcaaca ctcgagtata 120
agttctacgg acgttgtcct agagtagctc gagacgtaga ggacaacttt gatgcagatg 180
at ttgtgatga tgcgttgccg gttaagaatc atcgtgacga tctagatcgg aaccccaatg 240
ttagtcatat tggc 254

<210> 32201
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700894431H1

<400> 32201

tgagcccatc tcctggtttt cagatgatgc agtcaaacga ggtgcagcag tttgggcata 60
ttgactcaaa tagtacaag tcatttgctg ttgtaaatac ttcaacatct agccttccag 120
at ttgaacac ttctgcttct ccacctat ttgtttcatca gcctttcaca gatcagcagc 180
aagtacaatt acgtgcacag atcttcgtat atggagcttt gattcaaggc acagtaccgg 240
atgaggctta tatgat 256

<210> 32202
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700894432H1

<400> 32202

gccgttgact ggcaagctga cataacgaaa tgctatcctt atcttgctca actgcaggta 60
 tgcaatacca gagacgacag gctaagtcac aatcgtggat cacgttcttc gacccgaatg 120
 caacgaactc ttcacagacg ttggcatcgc atccgacatg atgcttctcg atcacaacgc 180
 cgggtggcaaa gagaggaccg aatagaactg gaactggctg tacaacgaga cggtttcgcg 240
 cgttac 246

<210> 32203
 <211> 101
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894433H1

<400> 32203

tggagctggt gataagaaag caattgaaga aagaagtgag cagattagat cagcaattga 60
 aaataagcac ttcagataat gacaaggaaa agttacagga a 101

<210> 32204
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894435H1

<400> 32204

cacggatcaa catgacttgt gttaatcatg aaactggagt ggttgaacca aagaaatttg 60
 gtctttcttc aaattggcaa agagagtaca ccatggagga catactgacc cagctgaaga 120
 aggaaatggc cgctcctcat aaccggaagc ttgtccaacc accagaaggt acctactttt 180
 agcacccaag atggtataaa tgttgatcgc cattgcatat ttggcggaat caaaaaatag 240
 tgggg 245

<210> 32205
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894438H1

<400> 32205

agcggacata ctagaccgtt atggtaaacc actatccttg tcgcaaactg tggagaacat 60
 agaagacgca ccctccccag atgcctctct tctccagaga gtcctgagag tgatgggtgcg 120
 cagaaagatc ttcagtgcac aagaatcaga gacaggagaa accctcttcg gcttgacacg 180
 agcctcgaag tggatccttc gcgacacgaa aatgacccta gcacccatgt tgctgctgga 240
 g 241

<210> 32206
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894439H1

<400> 32206

cttaacaaca gcacaaagcg ggttactgtc tgttcaagct accatctctc tctctctttc 60
 ttagtgccctc cttgccagaa gttaaaatgg cccaagaaac tttcctattc acatctgaat 120
 cagtgaacga ggggcaccct gacaagctct gtgaccagat ctccgatgct gtgctcgatg 180
 catgcttgga gcaggaccct gacagcaagg ttgctgtga aacctgcacc aagaccaaca 240
 tggtg 245

<210> 32207
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894440H1

<400> 32207

gagcggagag actcatcgct acgacctgtc gtctattcgc gctgtggtca ccggcgcggc 60
 acccttagga ggggaacttc aagaagccgt taaggctagg ctaccacacg ctacttttgg 120
 acagggatat gggatgacag aagcaggacc acttgccatt agcatggcat ttgcaaaagt 180
 accctctaag attaaaccag gtgcatgcgg aaccgttgtg agaaacgccg agatgaaaat 240
 cgtgg 245

<210> 32208
 <211> 241
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894442H1

<400> 32208

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tcaagacttc attcagaaga ctgggccagt tgcagagcct gtatacaagg ctgtaaggga 120
tagctgtaga ggatcattcag ttgatgttgc ttcactacat gcttatttat ctcgtgtagg 180
aaagatcgac tatgcaaagt tggaagaatg tcctccata attccgtgtt ccctcattca 240
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<210> 32209

<211> 88

<212> DNA

<213> Glycine max

<223> Clone ID: 700894443H1

<400> 32209

cagaactcaa gcaaccaatt tcaaatcaa tcatggggag ctcaaccttc tgtgccttct 60
tcctcctgtg tgcaatcttg gccgtcca 88

<210> 32210

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700894444H1

<400> 32210

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tctattactt ggagtaacgg caaatatatg gttcgaagtc catttgtatt aactaaatag 180
tgaaattaca agcagtgatg aataagttca agttaagttc ttaacaaaaa aaaaaatggg 240
cggccg 246

<210> 32211

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894447H1

<400> 32211

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tcattggagc agtgacttgt agttccaaag aggctgattt cagggccagg ggattggcca 120
atttgcaatt cagttggatc ctttcttcaa ttctgatatt tgcaggaatc atttgcttga 180
aactttctag gaaatgtaca attacaacaa accggttgga gtatgagaga attcaaacta 240
aaggtgc 247

<210> 32212

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700894448H1

<400> 32212

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taataggtaa tgatgtcaaa tgctgacgct taagagagat caacttgtgc atttcaagtg 120
gtgggtggaga accaacttct taacctaaca aaacttctgg ttggtgcttc tcaaatggaa 180
agtacacatt cattacaaat gatgcagttt attggggatt gtattagagg tggactggac 240
ccataactgc atcctagt 258

<210> 32213

<211> 91

<212> DNA

<213> Glycine max

<223> Clone ID: 700894449H1

<400> 32213

tgcaaagggtt gctttggaca ttcataatct gcgtgaagag aatccagata agttttataa 60
ccagtttatg aataaagttc tatatgcaag a 91

<210> 32214

<211> 210

<212> DNA

<213> Glycine max

<223> Clone ID: 700894450H1

<400> 32214

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 ttgaagatct gatccatgag atcatgactg ttggactcac ttcaaggggg ccaaaaattt 180
 tcctggggct taaaaaactc aaaccccccg 210

<210> 32215

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894451H1

<400> 32215

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 gtctggttat caatgttggc tattagtgc aattgcattt tgcccgtatt accaccagtc 180
 agaagagggtg gccactgcat tgaacagttt gtttcctcca cattgagctt tccaagacg 239

<210> 32216

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 700894452H1

<400> 32216

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 cctttgagat atgcaactgt ctatggatgt tcagatgcaa caatagttat aggagcagtt 180
 ggcaaggctg tgaaagt 197

<210> 32217

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894453H1

<400> 32217

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ttttacaaga gaataggtag agttttcttc acggactcta ttcttaaagc accccccggc 180
aaaattctgc gaaaggtatt aactgcaaga cttaacgaag gtttggtggt ggccaatta 239

<210> 32218

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700894454H1

<400> 32218

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ctctctcctt ctcgccccg actcgccgcc cagactctcc tcgcccccca cttcaccgcc 120
caatcaggtg cttcttcctt caaaaagagg gttgaagatg tcgtgccaat tgctaccggc 180
cagcagcgtg aggagattca ggccgatctc gagggaaggg ata 223

<210> 32219

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700894416H1

<400> 32219

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cagggggact cctcaaacc taatatctct gcctactatg agaccagagc ggcgcaccac 180
ggcgtggtca ccagcgactg gctggcccag gctcaggccg ctattggccc cgaacctcaa 240
cctcaacctc aactcagccc cg 262

<210> 32220

<211> 102
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894456H1

<400> 32220

catgggcccc ttgcagaagg cgaatgagaa atcagaaccg gagcgggaag tgggcctgga 60
 actgggcccgg accaaataca agtacacaac agtgactcac gg 102

<210> 32221
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894377H1

<400> 32221

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 gctccatgat tgattgatgg gagcagtaaa ccatataatt taatttaatt tgtgtccaca 120
 tgagaacgtc gtgacctgca ttttctatct cgcaacaccg cgataatggg ataaaaatagt 180
 ttcagatacg ttgcgttgat tgattgggtat gaagtgattg actttttttc ttcttctatt 240
 ctcacacat 249

<210> 32222
 <211> 152
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894378H1

<400> 32222

cgcttctggc tcccgtgtg tgctctgctt cacactactg tatctcatcc actccctatc 60
 gctgcaattt gggataccaa agataccgt agatcatcag agaaaaattc aattgaagaa 120
 gaggttgaaa cttaaactgc tgaaccgcaa gg 152

<210> 32223
 <211> 186
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894379H1

<400> 32223

ataacttttg gttgctgtta tcagtcggga aattgtatat ttcaagttgg ttttgtttcc 60
atcctctaaa aagctttgaa gagaacaagc tcattttccc tcaacccatt tatgcacgag 120
tttcatgctg gaacttcac tgtctttaaa atatgctctt ctcaaagca tcatttttgc 180
tcctgc 186

<210> 32224

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700894380H1

<400> 32224

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gcctgttttg gaggattctt caacactaca aatatttttt gattactatg ccattacaaa 120
acccctctt tcaaaggagg tctgtacatg cgtttgtttc tatgattgta tttttaatgt 180
ttagaccttg aagttcacta attaaccact aaaatttgaa tccttttttag ttcttgggaa 240
attgtctact acttac 256

<210> 32225

<211> 134

<212> DNA

<213> Glycine max

<223> Clone ID: 700894381H1

<400> 32225

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ccgacgtcgt tgcagttata atggctccat tcagcggcga tgagacggca ccgtttttcg 120
gcttccttgg agcc 134

<210> 32226

<211> 164

<212> DNA

<213> Glycine max

<223> Clone ID: 700894383H1

<400> 32226

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tgataataaa aataccctgt ggtatgtaat gtatcatatg tactatgtaa tggcttgaag 120
atgtgagaat gtaaaataag aagcacagtg attggagtgg ttta 164

<210> 32227

<211> 225

<212> DNA

<213> Glycine max

<223> Clone ID: 700894385H1

<400> 32227

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gcatgatgat tgattgatgg gagcagcgaa ccatataatt taatttaatt tgtgtccaca 120
tgagaacgtc gtgacctgca ttttctatct cgcaacaccg cgataatggg ataaaaatagt 180
ttcagatacg ttgcgttgat tgattgggtat gaagtgattg acttt 225

<210> 32228

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700894386H1

<400> 32228

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ttcatttatt ctttgattat attttctgtg gggttttagtg ttattctctt tccagtttca 120
tgtattataa gaaagaggca ttgaatgata aattattccc tcttcaaaat gggggatcct 180
cagtctcaag aaattacttg gtcattttt taggtatggg tcttggtctg ttt 233

<210> 32229

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700894387H1

<400> 32229

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 ctctctcttc cccatccttg gctggcaagg ccgtgaagct gggcccatca gccccgaag 120
 tcgggagggt cagcatgagg aagaccgtca ccaagcaggc ctctccgga agcccatggt 180
 acggcccaga ccgcgtcaag tacttgggcc cattctctgg cgagcccccg tcct 234

<210> 32230

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700894388H1

<400> 32230

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 aagcaaaagg aagaaggggc cttctcgcat aagtgccacc attgttacat tctatgcatt 120
 gattcttgtc atgcttgtgt ttatcctgtt tgttacatac agacattggt ccaacaggac 180
 aagacttcaa ccagagagct atatatcagt ctctgaggat gaatatacat ctgtgg 236

<210> 32231

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 700894390H1

<400> 32231

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 gattttccaa cgtcaaattt ttggttgatg atgtcctcga gacaaagttg gaacaagagt 120
 ttcgacttgt catggataaa gg 142

<210> 32232

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700894391H1

<400> 32232

<223> Clone ID: 700894395H1

<400> 32235

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cgtgtgctgt tgttcatgct tcgaaaaggc atatcaaagg ggaagctaata gatggatctc 120
aacatgatgc tcaaacgccg cggcaagctc gccggcaaag ccattgccat ccaattgtcc 180
acaaccacaa ccaccgtggg tcccacaagt cgcaacttcg gttctctgct ccaagggagt 240
acgagttcag ct 252

<210> 32236

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700894396H1

<400> 32236

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ccggggcaat gcgcttgcc attccaccaa ccatttata ggccccagag tccaaccttt 120
gctattccca tcgtatttaa ttggctaata tgtatggtca taaacctcgc tagcctcctt 180
gccggaaccg ccaccaaacc attcggaaac ggttacttcc aggggtaccgc ggaagctccg 240
ctcgaaactg cgt 253

<210> 32237

<211> 75

<212> DNA

<213> Glycine max

<223> Clone ID: 700894401H1

<400> 32237

ggttataagg aagggaagtt gaagtggctt gagagatttg cctacgcaa cacaactgtc 60
tacccttca cctca 75

<210> 32238

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700894402H1

<400> 32238

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 aagcatcacc accaccacca acaacaagag aagaaggagg atctgaagga cattccaaaa 120
 ggggtgtttgg ccatcttggg agggcaaggg gaggagcaac agaggtttgt gatccctgtg 180
 atgtacatga accacccatt gttcatgcag ttgctgaaaa aacctgaaga ggaatacggg 240
 ttcgcccag 249

<210> 32239

<211> 119

<212> DNA

<213> Glycine max

<223> Clone ID: 700894403H1

<400> 32239

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 cacttgttga tgactggcac tgcctgaaaa ccatggtgag gacttttgag acacattgt 119

<210> 32240

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894404H1

<400> 32240

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 gatgaaattg tgaaggaagt ctcttcctac ttgaagaaag taggatacaa ccctgacaag 120
 attccttttg ttcctatctc tggttttgag ggagacaaca tgattgagag gtccacaaac 180
 cttgactggt acaaggggcc aactctgctt gatgcactct agctgattag tgagcccaag 240
 aggccctc 248

<210> 32241

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894407H1

<400> 32241

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ccattcattg gaagcctgga aaccccagtt acatccagcc ctttgatcgc atggtacttg 120
tccaacctgc ccgcatacag aaccgcagtg agcccactac taagagggat cgaggtgggc 180
ctggtccacg gataccttct ggtgggccc ttcgtgaagg ccgggcctct taggaacacc 240
gagatcgc 248

<210> 32242

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700894408H1

<400> 32242

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ctcatctggg cttctctccc cattcaactt ctccagaaga gaaacggggg agaaagattt 120
ggtattcaaa gtgcaatact gtggaatatg ccaactcagat ctacatatgt taaagaacga 180
gtggggcaac acaacctatc ctctggttcc tgggcacgag attgctggtg tggt 234

<210> 32243

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700894409H1

<400> 32243

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gcctccttgc cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagtg 120
aacgaggggc accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc 180
ttggagcagg accctgacag caaggttgcc tgtgaaacct gcaccaagac caacatggtg 240
atggttttcg gaga 254

<210> 32244

<211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894410H1

<400> 32244

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 catatataga ggtcaccctg tagttagaag agaaaaatgt tccatggaag ctgggaagct 180
 aataagggtg cctgattcaa tagaggaact aaaaactatt gcaggtaaca tttcaagttc 240
 ccatcaattc 250

<210> 32245
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894411H1

<400> 32245

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 cctcttaaga gattattccc tgagggatta cgatggatta attggagctt ggagagacag 180
 gatcataatg tgcacaggga catatggggc tactcctgac ct 222

<210> 32246
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894413H1

<400> 32246

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 catttgagga agcaagtttg cgagttaccg cacttaccgt ttcccaagtc ttaccctcac 180
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aagcctctgt

250

<210> 32247
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894375H1
 <400> 32247

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 catcaatgga cttggacggc gttctcctcg gcatgtgcaa cctctcctc gacatctctg 120
 ccgtcgtcga cgacgctttc ttgcaaaaat acggtatcaa gttgaacgat gcgattctcg 180
 ctgaggataa gcacaaacct atgtatgaag aattggctaa caatcctaata gtggagtaca 240
 ttgc 244

<210> 32248
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894414H1
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 gcctcaagaa cacccttctt ctcaacataa cagattctcc tcttcttcac tccctacttc 240
 cccagagaat aaaaacatta cccg 264

<210> 32249
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894415H1
 <400> 32249

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gctcattgcc actgtgggggt tgcaagaatc gatcatcaac tccatcacgg ttgcaagta 120
 caagaagaat gaaggggttg ttgaaggaac cgagtgttcg gtgtgtttga acgagtttca 180
 agaagaggag acattacgac tcttgccaaa gtgcaaccat gcttttcacg ttccttgtat 240
 tgacacttgg ttgag 255

<210> 32250
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894343H1
 <400> 32250

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 aagctttgaa attgaaatag tacatagttt gattattcta catttagctt cagatccaaa 120
 tattaacaaa aacaaaacga taccctgtta tttctgttaa cttgtaggtt agttgcatat 180
 gctctccaat ctctgggtct ggagaaagga tctgcaattg caattgatat gccaatgaat 240
 gtcaag 246

<210> 32251
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894344H1
 <400> 32251

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 agagcttctg gcaattgggc gatgaactcc gtggacactc aaaagcatcg gaggatcaca 120
 aatggttaat ggttgcttcg aaattggcgg aacagacaag attgaagggg gagcgtgtga 180
 acaaccttga tctttcaaag ggccccattg aaacaaggtc aagggataaa tttgggttcc 240
 aggaagaga 249

<210> 32252
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894345H1

<400> 32252

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 gatataaatg tcacctacta gctatagtca tttatttttg tccatggaag ttcaaactca 180
 ctccctctcc cccacctttc atttccacct tctctcccaa tggaccaccg acaccaaccg 240
 accttctctc g 251

<210> 32253

<211> 117

<212> DNA

<213> Glycine max

<223> Clone ID: 700894346H1

<400> 32253

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 ctcacctgaa aatgtcttgc tgcggtggta actgtggttg cggaagctcc tgcaagt 117

<210> 32254

<211> 186

<212> DNA

<213> Glycine max

<223> Clone ID: 700894347H1

<400> 32254

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 atgttcatat tttccccttc gtgcccgtca agtttctgat tctctttttc aattcctttc 120
 tctttcaggt gattttttct ccacgataaa gttgcgattt cgccggtgtc gttttgcgga 180
 gatggt 186

<210> 32255

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700894348H1

<400> 32255

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 acgacgaaca aattgtaa ataccatata gtggtgaatg cctaattcaa gggaagaaca 120
 aaatctggat tggcatatct cgtgctgtgg gttccaagtg tgaaagatgc tggaattatt 180
 cagagcaggt tggttcattt ttggaccacc ctaccctctg cagccgctgc cacgatgttg 240
 ttgctgttca gatgcccc 259

<210> 32256

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700894350H1

<400> 32256

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 attgcccatc aagtgtcgt tgaatttact gttagggttg tttatgtttt gcggattgtt 120
 ttaagttttt actttaatat gtcttaggga ttttaatggt ttctgtccaa actatgggtt 180
 cttatgagta gatgtgtggg atttttcttt ttggttatt taaatgaagg gtttc 235

<210> 32257

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700894351H1

<400> 32257

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 ttgagaaatg gctaaagatg ttgaggttca agagcaagga ggagagtact ctgccaaaga 120
 ctaccatgac cctcctccag cacctttgtt cgaccagag gagctcacac agtggtcctt 180
 ctatagagcc ctcatcgctg agttcatagc aacccttctc ttcctttatg tcaactgt 237

<210> 32258

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700894352H1

<400> 32258

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 ttggtacagc agctcagggt gacaaggact acaaagaacc acccccagca cctttgtttg 180
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<210> 32259

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894353H1

<400> 32259

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 aagtgcacta tcagctgcta gtgctgcttg tgaccatatt agagattggg ttcttggaac 180
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<210> 32260

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894355H1

<400> 32260

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 ttatatacat cgccaaagt gttatctttt tggaaggaa agaagggttg ctgatatccc 180
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<210> 32261

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 700894356H1

<400> 32261

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 caacaatccc agcacaaaac ccatgagaaa cgagttgttc gtcgttgga tcatgtatta 120
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<210> 32262

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894358H1

<400> 32262

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 ttggttgcaa aaaggtcatt ttttattggc ttatgagggt gcaggttttc agcagataag 180
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<210> 32263

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700894359H1

<400> 32263

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 tcagggaag cctaagcaag aagaagtaat tgattatgga gatgctgtta tcatgcctgg 120
 cttgattgat gtgcacgtac atcttaatga gcctggaaga actgagtggg aaggatttga 180
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<210> 32264

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894360H1

<400> 32264

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cttctctgtc gccacttctt gggacaatca gggtcgttgt tgggaggtag cacagaatgg 180
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<210> 32265

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700894361H1

<400> 32265

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aacaccaaca acagtgccag aaaatgaaac aaccgaggta atcaagacct aggaacaac 180
cccgaacca gtaccagcca ctgaggctcc tgcaacagaa caagcagcag ctgagggtcc 240
tgctcaagaa gaacaa 256

<210> 32266

<211> 118

<212> DNA

<213> Glycine max

<223> Clone ID: 700894362H1

<400> 32266

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accctctctt caaaccccaa actctcattc ttcaacggaa agcccgtcac atattctt 118

<210> 32267

<211> 175

<212> DNA

<213> Glycine max

<223> Clone ID: 700894363H1

<400> 32267

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aatcaaaggt tacgccatgc cccagagttg gatttaatgc tagttatcgt tttcattgtc 120
atgggtctccg tagttaacaa gttttatcag catgttacat tattactcca ttcta 175

<210> 32268

<211> 189

<212> DNA

<213> Glycine max

<223> Clone ID: 700894364H1

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taaccgaaag gtccttgaa tctttagtag taggtattag gacttaaggg aatgtgagct 120
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acctttgca 189

<210> 32269

<211> 165

<212> DNA

<213> Glycine max

<223> Clone ID: 700894365H1

<400> 32269

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gttttgttgc atccaactcc aaggacgacc ctgccaagga agctg 165

<210> 32270

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894366H1

<400> 32270

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 gacatgcact tactcacagt ttcttgctc caagaatcca agctgttggtg tttctttgtc 180
 atctttctac agtgacaaag tcacagggtg cccaccttgt gcttgtgggt gccagaat 238

<210> 32271
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894367H1

<400> 32271

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 agatccttgg tgggtgtcaa gttgcagatt taatactgtg gaggcggaag aaccttactg 180
 tggggatatt gttggtcaca ctagctgttt gggttgtgtt tgaaagatct gg 232

<210> 32272
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<223> Clone ID: 700894368H1

<400> 32272

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 gtgcgcacca ccaccaaatt atcctcatcc aaacaaggca caatttccat gtccctaacc 180
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<210> 32273
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<223> Clone ID: 700894369H1

<400> 32273

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 agccatgtgt tcgcctggat tctcttgtga ttctgctttg cacgttactt atattgtcag 180
 gggtagtggc cgggttcagg ttgttgggtgt tgacggccgt aggggttttgg 230

<210> 32274
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 <212> DNA
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<223> Clone ID: 700894371H1

<400> 32274

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 gttttggttc ttaaccctt ctgcatttgt gacatctact ggaagattga atggttcaag 180
 ttcagtctcg gaaacgtatg ggaatccatg ccttgcaa tctcaagact ttgaa 235

<210> 32275
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 <212> DNA
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<223> Clone ID: 700894372H1

<400> 32275

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 ggaggaagct ttctacacta ctgacagagt catgactgtt tctttccata aatttggtga 180
 ctattttcct ggtactgggg atgtacgtga tattggatat ggaaaaggaa aat 233

<210> 32276
 <211> 236
 <212> DNA
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<223> Clone ID: 700894340H1

<400> 32276

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 tgcgaactct ggcaatgatt tacctgtcat tgatcttaca agagtgtcac aggagcttgc 180
 ttaccttgcc agcgatgcag atcttgtcat cttagaaggg atgggtcgtg gaatag 236

<210> 32277
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 <213> Glycine max
 <223> Clone ID: 700894373H1
 <400> 32277

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 agcagagcag catccagact ttttaacagc tgagacatca tccctactgc caacattgat 180
 ggtctgcccc ttgggcaagt ttattgtttt ctctttttct ttttcttttc tttt 234

<210> 32278
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894374H1
 <400> 32278

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 atggagacct cccactcaat atgaacaagg tgcagccaag gagaacaata atagtgaag 180
 aaaagaaaga gaggaggagg aagaagaaga agatgatgat gaaaatgaag aggagatct 240
 ag 242

<210> 32279
 <211> 227
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894306H1

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gcatgatgat tgattgatgg gagcagcgaa ccatataatt taatttaatt tgtgtccaca 120
tgagaacgtc gtgacctgca ttttctatct cgcaacaccg cgataatggg ataaaatagt 180
ttcagatacg ttgcgttgat tgattggtat gaagtgattg actttttt 227

<210> 32280
<211> 207
<212> DNA
<213> Glycine max

<223> Clone ID: 700894307H1

<400> 32280
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tctcctgcgt tgactgcact cacaactatg acttatctga tattaagggt tcggtgaggt 180
gtgatgggtg gaaaaaactg gcttttg 207

<210> 32281
<211> 152
<212> DNA
<213> Glycine max

<223> Clone ID: 700894309H1

<400> 32281
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attcacatct gaatctgtaa acgaggggtca cc 152

<210> 32282
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<223> Clone ID: 700894311H1

<400> 32282

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tcttcccat ccttggttg caaggccgtg aagctgggcc catcagcccc cgaagtcggg 120
agggtcagca tgaggaagac cgtcaccaag caggcctcct ccggaagccc atggtaaggc 180
ccagaccgcy tcaagtactt gggcccattc tctggcgagc ccccgctcta cctcactggc 240
gagttccca 249

<210> 32283
<211> 253
<212> DNA
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<223> Clone ID: 700894312H1

<400> 32283

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gcacattcaa ccgttaactc cgtttctgaa attgccacca gcgaaaccga cgctgttgaa 180
ggacaacgac atgttcatgt taatcacgtt caatacgaag ttcgagtggc ccccaaaccg 240
cagtttcgaa act 253

<210> 32284
<211> 250
<212> DNA
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<223> Clone ID: 700894313H1

<400> 32284

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gtgaaggaaa atagttcata cagtttctac caggctgctg atggtcagca tctaattctt 180
catcctctga acatgaagtg tttgcttcac cattatggga gctatgatat gcttcctcac 240
agaataagtg 250

<210> 32285
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<212> DNA

<213> Glycine max

<223> Clone ID: 700894314H1

<400> 32285

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gaaggctcat cagcgtttgg cgtctcttaa tccttaggtt gggacaagtt gataat 176

<210> 32286

<211> 153

<212> DNA

<213> Glycine max

<223> Clone ID: 700894315H1

<400> 32286

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aacagacaga ggcaaaagaa aggctggaca attgctagag cgtatgagca ggctagttga 120

gcaacagcag gaagttccaa cacaaactga etc 153

<210> 32287

<211> 231

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<223> Clone ID: 700894316H1

<400> 32287

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gacaagaggt acaagaaccg ggaattgcaa accatgcgtc ttctggatca cccaatgtt 120

gtaactttga agcattgctt cttttcaaca actgaaaaag acgagcttta tcttaatttg 180

gtacttgagt atgttcctga gactgtccac cgagttatca ggcattacaa c 231

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<213> Glycine max

<223> Clone ID: 700894317H1

<400> 32288

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 caggtctctg tgcactactt cggcgccaaa aagctccacc agatcaacaa cagcaccacc 180
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<210> 32289

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700894318H1

<400> 32289

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 atccattgtt ttagggaaaa caaactgttc cattttcaag gtaaatcaaa tactaagaga 180
 actcagtaga gagtggccag ggagttcata tgatctgctg tccaaaaact gcaatcactt 240

<210> 32290

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894319H1

<400> 32290

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 tagaagatgt tttattggat cagaatcttg ttgcaaaaat cagcagttac cacctgcctt 120
 tgttatctaa catgggaaag gttcgggtgt gaaattcttc cagtggatta agaaattcta 180
 gcaatagtaa aagtgtaaag catgaagata aggctgatat atacgacttt ggagtgat 238

<210> 32291

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700894320H1

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 atcaactcta ttaactcagc agttgtacaa gttagagggt tacaccactg tgattggtct 180
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<210> 32292
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 <213> Glycine max

<223> Clone ID: 700894322H1

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 agtgagatta ttagagaagg cacaaaaaat ggcactgctt tctttaagtg ccatggacat 180
 gagcaatttg agatgacggg tttggatcct gagtataata ggttggtc 228

<210> 32293
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 <212> DNA
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<223> Clone ID: 700894323H1

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 cgctcctcc tctccacct tcttcttccc gttacgtgaa atcggaacaa caagcttcat 180
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 a 241

<210> 32294
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 <212> DNA
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<223> Clone ID: 700894324H1

<400> 32294

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 cgcgctctct ctttctcttg aactttcttc ttcttttctg ttttctcact ctcttgttct 120
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<210> 32295

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894325H1

<400> 32295

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 aagttcaggt ggtggacaga gctcgttggg gtacctattt gggtcagaag agaagccaaa 120
 tcagcctctg ccacaagga cagctccatt accaccctat ggcatgaca tcgataactc 180
 catgccccat cacggttcta actgccaact tgttgtctca aacaaccgat ctcaaggcca 240
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<210> 32296

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700894326H1

<400> 32296

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 gatgagaaca ctgtcatagt aattttgggt catagaactg tgtatcagag gcagcaaatac 180
 agaagagttt atgaggaaat ttaccaggag gatcttgtga agcgcctaga gtctga 236

<210> 32297

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894327H1

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 tgatcattac tctgttccac aaggcaggag agccattgag ttgctctcag gaaaggaagg 120
 aatcatatct caaatggttg agaccaaacc agacaagctc tacagcttga ctttctcatt 180
 gggtcattgct gatgacaagt gcaaggagcc tcttgctggt atggcctttg ctggtgacca 240
 ggctcag 247

<210> 32298

<211> 59

<212> DNA

<213> Glycine max

<223> Clone ID: 700894328H1

<400> 32298

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<210> 32299

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700894329H1

<400> 32299

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 aattctaatt ttccctcccc gaaaacgatg tcgctcgagg tggaggagga ggaggcggtc 120
 gagcacacgc tcctggtggt gcgcgaggtg tcggtgtaca agatcccgcc gcgaacacct 180
 ccggcggcta caagtgcggc gagtggctcc agtccgacaa gatctggtcg gggcggatcc 240
 gcgtcgtgtc ccggcgc 257

<210> 32300

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700894331H1

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atcaaactcg acgggtttccg aagcctcgcc gaaggagagt ccgttgagtt cgccattgaa 180
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<210> 32301
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700894332H1

<400> 32301
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tgagcagagt ttgaagttac aagataccaa tttgtgtgtt gtctctatct atgccttttt 240
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<210> 32302
<211> 163
<212> DNA
<213> Glycine max

<223> Clone ID: 700894333H1

<400> 32302
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tggccggcgc cgccgggtaa cgccgtgctg ggtatagccg ccatgtccta tatcaccgtc 120
gactacctcc gccacctttc cccggcgtgg cactcgcgtc tgc 163

<210> 32303
<211> 119
<212> DNA
<213> Glycine max

<223> Clone ID: 700894334H1

<400> 32303
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 tacttaatta tgattttaat tttggaataa atgaacaaca tgtgaattat gaaggagac 119

<210> 32304
 <211> 171
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894335H1

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 ataattgagt cagttgataa gcccaaca tctgaagtag gtttagaatc a 171

<210> 32305
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894337H1

<400> 32305
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 ggtggtgcca gatgttggcg aagcgaagag gaggacaacc tgctgaacgc cgagcaccac 180
 ttcgcgagct tcaaggccaa gttcgccaag acctacgcca ccaaggagga gc 232

<210> 32306
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894338H1

<400> 32306
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 gtggtggtgc gattatctcc gacttcatac cggcaggtcc cgccagcggg gcgcggcgcg 120

tgaccgccga catcctgtgg ccgagtttga ggaagcgctt ctcgaagccg ctgctggacg 180
atgatttcga ggctgggttc agagaattca aggatgattc gg 222

<210> 32307
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700894305H1

<400> 32307

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ccaagatgaa gaagtcggag atggaacgac atctgtcatc attcttgctg gtgagatgct 120
tcatgtcgcc gatgcattca ttgacaaaat tcaccctaca gttatttgcc gagcatataa 180
caaagctttg gaggatgcta ttgctgtcct tgacaaaatt gcaatgccta ttgatg 236

<210> 32308
<211> 198
<212> DNA
<213> Glycine max

<223> Clone ID: 700894339H1

<400> 32308

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ccccggcgtc gatggagccg tcttcggcga tgtctggtgt gtctggcttg tcgccgtcgt 120
ctgcagtacc gtcaccgtta ccttccttca ttaccttccc ggaattctcg catctcttgc 180
ggctttgatg ttcaattg 198

<210> 32309
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700894265H1

<400> 32309

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tcagataggg cctttttacaa agatttggtt aaggtcattg aagcctctga tgtcttactg 120

gaggtgcttg atgcccgga tcccttgggt actcgttggt ttgatataga aaagatgggt 180
 atgaaatcgg gacctgataa acgtctcgtc ttgcttttaa ataaaattga tcttggtcct 240
 aaagaagctt t 251

<210> 32310
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894266H1

<400> 32310

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 ccgccgtcgt cgaccaccgc aagagccatc gcaactccgcc gtcattccgtt agggcaaaaa 120
 tgagtcgagg aagtggaggt ggatacgatc gtcacatcac tattttctcc cctgaaggac 180
 gtctcttcca agtcgagtat gctttcaagg ctgttaaggc cgcaggaatc acctcaatt 239

<210> 32311
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894269H1

<400> 32311

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 tccgatctaa actgatttta cgttatgcat aagttaattt tagtttccgg caatttttcc 120
 tttctcttca cttaagaata gttgtagtga aacttatcta aatgggggta tattatgtgg 180
 atgttggttat cttatgactt cctcagtcaa caaaggttgt gtgtcaggac ttg 234

<210> 32312
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894270H1

<400> 32312

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cttgttatca tccacacatt aactgcata tctctattca aaattcaata acccaciaaac 120
 taaaactaat ggctctgttt tcaaatacacc gacactcttc cgaagcgctc ttgggctttc 180
 tactcttcct cgtattcaga ggggtttcag ttccaggggc aacatttacc ttcgtg 236

<210> 32313
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894271H1

<400> 32313

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 ttgacaaat ggggtctgaa ggtcctacga caccgacgac aacaattcat gtgacaggat 180
 ttaagaaatt ccatggagtt tcagagaatc caacagaaac aattgccaat aat 233

<210> 32314
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894272H1

<400> 32314

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 gagctcccca ggtcgtagag aggtggggcg accctgaatc atccaaatgt gtgatggctg 120
 tttcaatgat tgaccgagag tctcaccctt tattagctgt agcgaggaaa aacaaccaga 180
 ttgaagtttt gagccctgta aatggagata ttcaggctac aatcacggat gc 232

<210> 32315
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894274H1

<400> 32315

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tgggcgaatt gcccgagagt tgtgtcgctc agatcatgac ctacatggat cgcgccca 120
 tttgcaagct cgcaaccctc aaacgcgctt ttcgcggcgc ttcttcgcgc gatttcgtct 180
 gggagtccaa gctgccgccc aattacgacg tccttctccg ccgcattctc gccga 235

<210> 32316
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894275H1

<400> 32316

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 agcagacacc aacaccaaac cttaaaatta ttttgcccct ctgcttctct ctctgtcttt 120
 ctcagaagac aactcaaaaa aaccatggac gtgggtcaga tgcagagaca gtggatcgac 180
 tacaccaaat ccctcttctt tgagggcttc ctggatggtc agtttctgca acttc 235

<210> 32317
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894276H1

<400> 32317

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 tttgacaaat ggggtctgaa ggtcctacga caccgacgac aacaattcat gtgacaggat 180
 ttaagaaatt ccatggagtt tcagagaatc caacagaaac aattgccaat aatt 234

<210> 32318
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894278H1

<400> 32318

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ttgtgatttc atttctgatt ttttaagattg tgatatgatg gaatcttatt tatgtcaatt 120
 tgttttagttt aatttccata tgttattggt ttttttaaga ttaagtcagg taccagaaaa 180
 tttgcatcaa ttcacactca tgagtcacct gaacaagagc tagaccgggt tttta 234

<210> 32319
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894280H1

<400> 32319

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 tggcaaacat ggcaactcaa atgagcaaga agagaaagtt tgtggcggat ggagtgttct 120
 tcgccgaact gaacgaggtt ctgacacgtg agttggcgga ggacgggttac tccggcgtgg 180
 aggttaggggt tacgccgatg cgcaccgaga ttatcatcag agccaccaga acccaa 236

<210> 32320
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894282H1

<400> 32320

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 gtattctatg aaaacacttt taatttagtt tattattttt gttcttattg tctctttccc 120
 cctctcttga cagcaaggat cctgggtata tcaggatgaa tatgcatgac aatcaggata 180
 caaaagatga cgagcctctc ttgaagattg agataaataa tcctgctttg ctagctg 237

<210> 32321
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894283H1

<400> 32321

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ttgcctctgc tatgcagtca acattctgtt ccaagagctt ggagtgatcc ctgtggttca 120
 tgaaattgac aaagaccctg agggcaagga aatagagaaa gctataacaa ggttgggggtg 180
 tcctacacct gttcctgcag tcttcacgag agggaagctg gtgggggtcca ccaa 234

<210> 32322
 <211> 102
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894284H1

<400> 32322

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 tggtagttag gtgagtttag ttctttcaaa aattcaaaca ca 102

<210> 32323
 <211> 233
 <212> DNA
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<223> Clone ID: 700894285H1

<400> 32323

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 ctaaggaaat aatgatagta gagtcagaag ctgagaaccc ttcaaaggaa actcttgtca 120
 atgaaccagc taaggaaaca gtgaaactag agtcagatgc tgagaagcct tcagaggaaa 180
 acaatcaaag cagcgagtca ctgaaagaag aatttgtaga ggccatggag gca 233

<210> 32324
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894286H1

<400> 32324

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 taaaaaatgg ctgatgctga ggacattcaa cctcttggtg ttgataatgg aactggaatg 120
 gtcaaggcgg gttttgcagg tgatgacgct cctagggccg tgttccccag tattattggg 180

cgaccacgcc ataccggtgt aatgggtggg ataggtcaga aggatgctta cg 232

<210> 32325
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894287H1

<400> 32325

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 tctaacgttg tttgcagcga cgccaccggt tccagacaat gtgttaacca aggcgttcca 120
 ggtgggtacc aaggaggttg agaaaattaa gtctaggctt gctcctaaga aataattaat 180
 actaatgtgg gatgtggttg taatgtctct ctcatgttc ttacttttta 230

<210> 32326
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894288H1

<400> 32326

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 aaacatgaca agccagtgat agttgctttc agataactga tagttgtgtg caattatttg 120
 aattcaagaa tgtctcaacc cgactcgttg gtggctgaga ttgaggtgaa aacctctgct 180
 gatcactttt acgacacctt gaagggtgaa aaacagcatc gtattcatga tg 232

<210> 32327
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894291H1

<400> 32327

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 acaggcaata acaataccct tctttctcag cctcaaattc gaacccaaaa ttcaacctca 120
 gtacccttca acatgttcca agattattat aattatatga accaaggaaa acaatgcaag 180

atggagcaat tctcaaacac taagaaccag cctgtggtca gtgcctctca ag 232

<210> 32328
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894292H1

<400> 32328

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 ttatgcttat tatcatccaa ctgttgaacg atggatggaa aaattggagg aagcagaaat 120
 caagcgcaga atatcaatca aggcaactgt tgttctgata tgttcattgg tgggttattt 180
 atggtttgag catatataca agctggacaa ggtcacatac aataaatacc a 231

<210> 32329
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894293H1

<400> 32329

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 gaagcgaggc aagtgggtgtg ttgagttaaa cgacagacag cgacagtagt gtagcagaca 120
 cgataaaaat aaaagggtaa ccaaccccag aaacctattc atctactctc tttagctgcc 180
 cttgttcctc caaaattcta tgtgggtgtg cagatgggtga tgattactgc tt 232

<210> 32330
 <211> 232
 <212> DNA
 <213> Glycine max.

<223> Clone ID: 700894294H1

<400> 32330

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 ggtgcttact ctttttggtt acattcctgg aattatctat gctgtctatg ctatcaccaa 120
 gtgatcatat tcatcacctc ttgtagacaa tgaataattt gtcaaagtac aacgggttatg 180

catgtttctc aactccagca ttgatataat cgtttgatct cagaacaatg tg 232

<210> 32331
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700894295H1

<400> 32331

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tgccggccat ggccgcatcg ggaagcaccg gaagcacccct ggaggacgcg gtaatgccgg 120
aggctgcacc accacccggat cctctttgac aagtaccacc ctgggttctt cggcaaggtc 180
ggaatgcgct attttcaciaa gctccgcaac aaattctact ctccgatcct caa 233

<210> 32332
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700894296H1

<400> 32332

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tctttctttc tatcaccaat ttgatgcatt catctgctcc atggaagcat actctagagg 120
ggccagatga catgccagct catattaaat catcgatgtt tggttggtaca ctccggtgac 180
ccattacaaa tgggaagctt aacatgggca catagcagat gcacacaagc aca 233

<210> 32333
<211> 161
<212> DNA
<213> Glycine max

<223> Clone ID: 700894301H1

<400> 32333

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gtgcaaggta acccactttg gattggaagg ttgtcgcaat ggggaagggt gtgttggtgt 120
ttctttgcat ggtgttggtg gtggtgtctt tggcttggtg g 161

<210> 32334
 <211> 238
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700894302H1

<400> 32334

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 cactttttcaa gccatttgggt attgcatttg ccactacttt tgcagtttgc ttctttttcaa 120
 acagccttca ttatggaagt gtgataggaa caactgtact tggaatgggg cattatacag 180
 taatgtatgg acaactcaga gaaaatgaag aagagacaag ctgtgacgan agctctga 238

<210> 32335
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894264H1

<400> 32335

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 gtttctgggg ttaatacagc ctgtgacggt cctcatggct tgttaaattc agaattctct 120
 actgtagata atggaaaagc tcctagtatg gtttctagca ccccaaaagt tccaaaatcc 180
 ccttgatgac cttttcctgt gcttcttgat gctatcagag atcaggttcc tcccacgg 238

<210> 32336
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894304H1

<400> 32336

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 ctttggttaa tttccaatat ggtgtttcct ctctatcta tctttgcttt actcaatctt 120
 gcagtgggtg caacccatgc agaaaccttg cccctgaag ttactggaa gtcgaagctt 180
 cccaccactc aaatgcggaa agccattacg gatatccttc acccagattt ggcag 235

<210> 32337
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894234H1

<400> 32337

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 ttccgggaagt gatggaactg tggttgatca aggaaaaggt ggtagcccag ttgcatcgtc 120
 tcatgcaaca acaaccacaa ccactagcag tgcacaaact cataggaaag ctagaaggtg 180
 ttggtcacca gacctgcacc gaagatttgt taatgccctt caaatgcttg gtggatcaca 240
 agtg 244

<210> 32338
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894235H1

<400> 32338

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 agtcccccca caaatcctta tgctgcttat tcacctgagc cggcaccggc tattgcaggg 120
 tcttaccggg cagctcccat gaactatcct cctgcatatg gtggctatgg aaatgttttg 180
 gctcccactt atcagcaggc ttactaccga tagaaatgac aacccttgaa gatggtaac 239

<210> 32339
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894236H1

<400> 32339

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 cagcgtcaag tcagatgggtg cttcctcatc ataagctcgt aggatacgaa gtcgtatcag 120
 cattacacca gagatgagtg atgatattgc tagggctgtc cgggcatga atgaaccatt 180

aaagcaaaat cgtacttctg agagagctgg ggggtgatag ttcattgtct cattctcca 239

<210> 32340
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894237H1

<400> 32340

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 tcttcgcca gccaacatga gctcaatcgt tcagggtttc accaagtcgc tggccatgac 120
 cattctctct gagatcggcg aaaaaacttt ttttcagct gcgatactgg ctatgcgaca 180
 cccaagacgc ctagtcttat cagggttgctt atcggctttg attgtgatga ccattctctc 240

<210> 32341
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894238H1

<400> 32341

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 ttatttctct ctctcttttg ctgaggtaat tactgaaatc cgtgcctgct gcgttcaccc 180
 ttttgtgcca aagtttgcaa ttttttttcg attatatgtt gcctctgctc tgcttgccac 240

<210> 32342
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894239H1

<400> 32342

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 gttctgaagt agaatacaca ccaattccca gtggacctgg cagtgcatt gcaaaggaca 120
 ccagaaacga ggaggtgtct atgcttgaca atgtgtactg gaaggagttt ggacttcttg 180

tttttcatgg tgggttttgc cccactcaca tctcgtgggt cccaacagta cagagctctt 240

<210> 32346
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700894243H1

<400> 32346

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tttttctcgg cttcttcaga gtctgaaat ggcgtctgtt tcagcttttag ccaagtacaa 120

gctcgtcttc ttgggtgacc aatccgtggg caaaaccagc atcatcactc gtttcatgta 180

cgataaattc gataaacct atcaggctac aattggtatt gattttctat caaaaacta 239

<210> 32347
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700894244H1

<400> 32347

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gcgccatcaa ttctccaagg caaagccttt ctactcaaa gagctggggc taaaaacaag 180

cgttggtgcc aataaacttc aagttattaa agcagctgca cgcattgata cagaggtagt 240

<210> 32348
<211> 125
<212> DNA
<213> Glycine max

<223> Clone ID: 700894245H1

<400> 32348

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ataagcagag attgatgaat acttttggtg ttatatgaat aaaaagtttg ttgggttatt 120

tcatt 125

<210> 32349
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894247H1

<400> 32349

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 cacgagtttt tgaaatctgg gctggtgaca aaagtcagtc ttgcggcgaa atgggtgtccc 120
 tctgtcgatt cctctttcga tcgtcacacg ttgttgtgtg aaactattgg caagaggggtt 180
 tttcctcgtg atgagtataa ggagtatgag ggggttgagg aggcttatta tgcttaca 238

<210> 32350
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894249H1

<400> 32350

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 tgctgcttcc cttaacccca ttgatcataa gagaatggaa ggctatttca agaacagcga 120
 ctccccctta cctactgctc cgggttatga tgttgctgga gtggtgggta aagtgggaag 180
 tgaagtgaag aaatttaagg ttggggatga agtttatggt gatatcaatg tgaaagcttt 240
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<210> 32351
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894250H1

<400> 32351

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 cttctgcagg agagaatacc atgagttctc ttggtcgggtt ggtgatgctc atatgggttat 180

ttgtggtttt gatcctcact tccagctaca ctgcaagttt aacatccata ctcacagtgc 240
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<210> 32352
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700894251H1

<400> 32352

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tattgggaaa atggaaggaa tctgaatatg gaggtggtca gtctgttcct gttggtggca 180
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<210> 32353
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700894252H1

<400> 32353

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aaaatctgca aagctggaga aaactgaaat tcttgcaaag attaaagttgc tgccggatcc 120
atggactcct gaatctggat tggctactgc agctctcaag ataaagagag agcagctgaa 180
agccaaattc aaagacgatc ttcagaagtt gtatgcatga aatgtagtat ctaacctc 238

<210> 32354
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700894254H1

<400> 32354

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tgcaactagt actggagctc ctttctggtc tgcaccaaaa cggttccctc atccactgca 180

attctcatcc tctgatctgg gtcattctct gtttttgatg gcagcttcta tattacg 237

<210> 32355
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894255H1

<400> 32355

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agcacctact accggaagcg gcaatccgaa atccaatcta tcgccgatcc caatcccaaa 120

cccttatacct ccaaagcccc tccaagaag cctctctcca aaccccatc ctccgacaag 180

gatcaaaaca agcgacatca tccgttggtat ttgaatacct tgaaggggtca tgggtg 235

<210> 32356
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894256H1

<400> 32356

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tgcttctcct tccaaacctg atgtgaacac tgatgggtgag aagggaaatt tacagaagga 120

tgatacattt tccattacca tttcttccaa cgacggggct gatcccatgc aagggttat 180

gactgatgat gcattaaagg accctgactt tcttcacact attgtatctc ttgatga 237

<210> 32357
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894257H1

<400> 32357

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attttggaag ggagattata gccaaagaac ttgaggtaga tgaggaacac cgagatgtgc 120

atcacatata tttggctggt tacaagagct tcatggaggc aattgatgct atagacaatg 180
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<210> 32358
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894258H1

<400> 32358

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 aaggaagcct tctctctatt cgacactgac ggagacggtc ggatcgctcc gtcggagctg 120
 gggatcctga tgaggtctct gggaggtaac ccgacgcagg cccaactcaa agccatcgtg 180
 gctgaagaga acctcacggc ccccttcgac ttccccgat tctcgatct aatggcc 237

<210> 32359
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894259H1

<400> 32359

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 aagaacacga tggcctctaa tttgacaaag aacaatgatg aagctgaggg aaaatcagga 180
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<210> 32360
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894260H1

<400> 32360

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actttcccggt cgccgcgcgtc ggactcgccg cctccggccg catcttcgtg ggcgtgaacg 180

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<210> 32361

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894262H1

<400> 32361

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tggctaaggg tcccgggtctc tactctgaca tcggcaagaa agccagggat ctgctgttca 120

aggactacca cagtgaccag aagttcacca tcaccaccta ctacccact ggagttgcta 180

taacagcatc aggaaccagg aaaagtgaac tgtttgtggc tgatgtcaac acccagtt 238

<210> 32362

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894263H1

<400> 32362

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gtccttttat tttcatccct ttttatccat gcatctttag ctgagatggg gtgtgaggac 180

ctgccaaagg aagtgtgtgc tttctcatta gttcatcag ggaagagggtg tttgttgg 238

<210> 32363

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700894233H1

<400> 32363

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caactactgg agaaagtagc agaaatgctt gctagctcta gttctagaaa gaaaaaactg 180
gttcaaatgg cagttaatga tcttcgggag agtgcaaacg ctaaaatcag taggctg 237

<210> 32364
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700894205H1

<400> 32364

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acaatttatc tcccatgaat taaccttggt tgtctaaca aaaggctagg tgaaaccaag 180
tctctatgtg atatgatgct gctatgaaga gcagattagc aaattgcaac gccataaca 240
atatta 246

<210> 32365
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700894206H1

<400> 32365

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tttatcaggg tatcaacaag tatcgagcat cgttaaactt gaaagctcta acaaggaatg 180
acaatgcaga ttgccttgct gaaaaaatag ctgaccaatt caagaaacaa ccctgcacaa 240
ata 243

<210> 32366
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700894207H1

<400> 32366

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 aagagacgga tttcttcaac aacaacaata ttgcatgtac agggcttggg aatgaaaaat 180
 ttctcacgta ctgctgcaaa tctcttgtct gctgtgacaa aaatagatag cagttactat 240
 cctga 245

<210> 32367
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894208H1

<400> 32367

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 cagctattcc atccataaat agtgaagcag tgcaacagag attggatcga gtccgcacct 180
 actatgaact attgaacatg ccatttgagg ctttggttgc cttcattaca gaacatatac 240
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<210> 32368
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894209H1

<400> 32368

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 cgga 245

<210> 32369
 <211> 246

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700894210H1
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 ctcgaggcta aaatggttga agcaatgcag cggagggaat ctcaaggaag ttccgtgaaa 180
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 gtcata 246

<210> 32370
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894211H1
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 tctggttttg agggagacaa catgattgag aggtccacaa accttgactg gcacaagggt 180
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 ctca 244

<210> 32371
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894212H1
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 tactcaaatc ggtcagagaa aagggtttcg gcgctttcct caggagctc aaggatgaag 120
 gctacctgag atgccttccg gatggaaatc tcttgcaaac caagatccac aatattgggg 180
 caacacttgt tggtgttgat aaatttggtg acaagtatta tgagaagctt ggagacacac 240

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243

<210> 32372
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894213H1

<400> 32372

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 taatttgcag atggagtccc gatgagtttg aacgttacat tgatgggcct gatgaatcag 180
 atattgaatg ctctaggac ctcttttaaa atgtagaaga ttatggagcg ccctcctccc 240
 aaaaaa 245

<210> 32373
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894214H1

<400> 32373

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 ggtgcacttt tcctcgtatt ttttggtgga aaatatatga aatgtgctca agcgtttgcg 180
 cagtatgagt acaaaattat ttgaattcag ataatgacta gtcagaaatt cagcag 236

<210> 32374
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894215H1

<400> 32374

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gatattgaaa tctgatagat gatttcaagc ataaatatag ccatgtcatg tcttatatat 180
 aatttctaaa aattttcata tcttgatata tgttaccaac tataaatgat taaagaaata 240
 gtgtag 246

<210> 32375
 <211> 246
 <212> DNA
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<223> Clone ID: 700894216H1

<400> 32375

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 agaatctggt ctccaagcgg aactcgccgg tggcgcacgc ggtcggattt tgggactacc 180
 actccttcat cgccgcgcgc gcgctttttg agccggaagg gttcggcacc accgggaaca 240
 agacga 246

<210> 32376
 <211> 235
 <212> DNA
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<223> Clone ID: 700894217H1

<400> 32376

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 gtgcacacct agctatggtc aattcatctt ggactaaatc ccatattgaa aatctttgga 180
 gatttctga ccgtattaag cgagtttate ctccttgtga tacttcagga ctcca 235

<210> 32377
 <211> 248
 <212> DNA
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<223> Clone ID: 700894218H1

<400> 32377

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 atcttccaag tcatttggtt ctgctttata ttataatata ccaaagaaaa attttctcta 180
 tattgggggtg tttccataac tgtgtgtgga atatttaggt gtcttagcat gctctgtgag 240
 caattgat 248

<210> 32378
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894219H1

<400> 32378

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 tctgctagag gggcatctga agatcaaate tcacaactcc caagttggag atataaaggg 180
 gttcacacca acttggacct tggcaatgac tctcaaagca gtgaaagatt gatcaatgaa 240
 gatc 244

<210> 32379
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 <212> DNA
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<223> Clone ID: 700894221H1

<400> 32379

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 ctacttagta tgctgttgag tgacagcttt ctaattgtac ttctaagatc atcataattc 180
 ggggtgttaaa catataagtt ttgcctactg ctttcaacag tatcatgatc ttaattatta 240
 ttg 243

<210> 32380
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<212> DNA
 <213> Glycine max

<223> Clone ID: 700894222H1

<400> 32380

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 ttttgagttc atatcaactt attctcttga cacttatgag tatggttgct tcataattag 180
 ctgctccttc tcagatgaca ataatgtgta ttactgtgtt ggaactgcat atgtactgcc 240
 ag 242

<210> 32381
 <211> 89
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894223H1

<400> 32381

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 gccgtcggcg cgcgacgacg ggcaagcag 89

<210> 32382
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894224H1

<400> 32382

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 cacctcagaa atggggggcaa tgaagggctg caagaacaac aacctctcca tcttcgtggg 180
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 cga 243

<210> 32383
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<212> DNA
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<223> Clone ID: 700894225H1

<400> 32383

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 caacagtatt gtatcagaag gtgactgcaa gaacacaaat tatcagattt tcctccctcc 180
 accttatcag aatatatcct ctaccatag caaacctgtt tcgcattcat acgaattgag 240
 gt 242

<210> 32384
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894226H1

<400> 32384

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 aggcataggg catgccattg ttgaagagtt agctgagttt ggagcaactg ttcatatctg 180
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 tg 242

<210> 32385
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 <212> DNA
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<223> Clone ID: 700894227H1

<400> 32385

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 ttgccagaca gggggagggtc aaagtccaaa tctaggagca atggctcttc ttgctccaga 180
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tc

242

<210> 32386
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 <212> DNA
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<223> Clone ID: 700894228H1

<400> 32386

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 tggcatggct ttccatctag tagatgcatt catatttcta aatatacgtg cattgcttag 180
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<210> 32387
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 <212> DNA
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<223> Clone ID: 700894229H1

<400> 32387

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 gaggcattgat gtacaaccaa aactaccca cctaccctca gttcaagaac atgcacatag 180
 ataacaccaa agggggcagc aaggacaaca agtctcagaa tcacaaagggt ggtgctcaga 240

aa

242

<210> 32388
 <211> 78
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894231H1

<400> 32388

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 tgcttccaca catcatac 78

<210> 32389
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894204H1

<400> 32389

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 gtgggtatgg aggctcaagt gatttagcag ctggtgacat ttatggaagc tatggtgggtt 180
 ctcagcttgg aagcaacagt gcttatgggg cttatggaag ttattctttg ggacggtcta 240
 gtact 245

<210> 32390
 <211> 244
 <212> DNA
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<223> Clone ID: 700894232H1

<400> 32390

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 tattggtgat gaattgcatt tatattttcc tcttaaaaat aagtgcattt ttgttggttt 180
 ttccaattcc ttttttgcca agtgcttctt ggtatggcca tatttaagtg cttttttttt 240
 tgta 244

<210> 32391
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894169H1

<400> 32391

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 aaatcttttg ccatgggaac ccagattttg cgacctcagg actgcttggg agaacgaatc 120

agggtcctc cggtgaatt ttcccgccg aggagttccg gtaattactg taattattat 180
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 cgacccg 247

<210> 32392
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894170H1

<400> 32392

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 cacatctgaa tctgtaaacg agggtcaccc cgacaagctg tgcgaccaga tctctgatgc 180
 agtacttgat gcgtgccttg aacaggaccc tgacagcaag gttgcctgtg agacatgca 239

<210> 32393
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894172H1

<400> 32393

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 aagatatcaa tatttatgca accacagctt ccaatgcaga agaaagtagt tggggaacat 180
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<210> 32394
 <211> 244
 <212> DNA
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<223> Clone ID: 700894173H1

<400> 32394

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 catggatgga gcaccttacc ttcgcaaagt ggacttgaag atgtacaaga gttaccgaga 180
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 agga 244

<210> 32395
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894174H1

<400> 32395

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 aaggaggaga agcaccacaa gcatcttgag caccttgggg aacttggtgc tgcggctgcc 180
 ggtgcttatg ccttgcatga gaagcatgag gccaaagaa acccagagca tgctcacagg 240
 caca 245

<210> 32396
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894175H1

<400> 32396

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 ggaaaccatg cagatattgt agtttggcaa ccagagctgg agtttgacct ggatgatgat 180
 tatcctgttt tcatcaaaca ttctgagctc tctgcttaca tgggaagaag gttatccgga 240

<210> 32397
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894176H1

<400> 32397

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 ttgttctctc tcgtactctg ctcaataagc tgtcggaggg caaatatctc aacactcagg 180
 agctctgggt cgaccaaacc ctcgatcact tctctcccta tgatcaccga caattccggc 240
 a 241

<210> 32398

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894177H1

<400> 32398

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 aggctcgtcg tcatcgtcga cgtcattgac cagaacagag cacttgtcga tgcccctgat 180
 atggtgaggt cccaagtcaa ttcaaaaagg ctttccctta ccgacatcaa gattgacatc 240
 aa 242

<210> 32399

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700894179H1

<400> 32399

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 cggagcaggc cgagcgctac gaggagatgg tggagttcat ggagaaggtc tccgcctccg 180
 ccgagagcga ggagctgacc gtggaggagc gtaacctcct ctccgtcgcc tacaagaacg 240
 tgat 244

<210> 32400
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894180H1

<400> 32400

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 ctgcctttat gacgcgttca tgtgaaagta cgatgtaata actgctcacc tgagtactgt 180
 tgttggtggt ttgggggatg atgtatcata atgcttgact tgactctgag aaataataaa 240
 t 241

<210> 32401
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894182H1

<400> 32401

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 aagcacataa tggaacaaac tcttcgttct ctcggttgac cataatggat tattccagag 120
 cctacagctc gggagaaata acaccactca tggttgctga acgatttatt gccgctgtta 180
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 tacta 245

<210> 32402
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894183H1

<400> 32402

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tttctttcat aatttaattt tcttggtata cgatgttacg ttcaaaagtc aagcgaagag 180
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 ggtcaa 246

<210> 32403
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894184H1
 <400> 32403

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 tgccttagtg gggtttattgc ttttgatgtt cctcctccaa aggggtccatt gtggattctt 180
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<210> 32404
 <211> 246
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 <213> Glycine max
 <223> Clone ID: 700894185H1
 <400> 32404

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 caccagacta cattgtcctt gaagtacttt tgaaaaaagg atatgggatg gaatgtgatt 180
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 atgatc 246

<210> 32405
 <211> 243
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 <223> Clone ID: 700894186H1

<400> 32405
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 tccgttgctg gcgccgacgg taacgacgtc gtcgacgtcg ttgacggaca cggatgatggg 180
 gtcgcaccgg ttcaagatca cgggggtattc gctgtcgaag gggattggga ttgggaagta 240
 cat 243

<210> 32406
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894187H1

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 gtttctaacg gcgtcgccgc ccccgccgac gtcgatctct ccctcctcga agccatcgag 180
 aagtcgcaga acgcggtcga agccctcgat ctccgagccc taaagaagca cgtgctctcc 240
 ttcgagcgt 249

<210> 32407
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894188H1

<400> 32407
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 aacgcttttag tcttgcaatt gatataataat tatcatccaa aacatgtcac caacaaacaa 120
 tacttttgca atttttgtca tcttctgctg tgccatatcc tttgccttcg cttctgaccc 180
 tgacacactt caagaccttt gtgtggcact tccctcttca ggtgtgaagg tgaatggatt 240
 tgacctg 246

<210> 32408
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894189H1

<400> 32408

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 agacagaatt ggtaaattg tatgcaaagc atatggaaaa aacacctgag cagattgaag 180
 ctgatattca gcgtccaaag tatttttagcc ctacggaagt gtatgagtat ggcacatag 240
 ata 243

<210> 32409
 <211> 244
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700894190H1

<400> 32409

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 gtatagattt gctttcctct ttatgttttt gacagaaact gccacgagcc aacgaccttc 180
 tatcttccat acaaaccatt actaccctgt taggaatttt ctgttttggt gatcttagag 240
 gctg 244

<210> 32410
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894192H1

<400> 32410

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tgctgtggga agttgagggg aagtgggttg ttaagggagc agttgatgtt gacattggtg 180
 caaaccccttc tgctgagggg ggagaagatg agggagtcga tgacgcagct gttaaggttg 240
 t 241

<210> 32411
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894193H1
 <400> 32411

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 aactctgtac ccatacgtga ctggatcctc tgtagtcgct atcaaataca aagatgggat 120
 tctaattggcc gctgacatgg gaggttcgta tggatctacc ctgcggtata agagtgttga 180
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 t 241

<210> 32412
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894194H1
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 tcattcttgt ataggcttgg cttgaccatg cagtgagggg tctgtttcct ccaaatacac 180
 cgtctcttat aactgattga tgattcttga gttgtcagtt gctagtgtag ccaatatgga 240
 aa 242

<210> 32413
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894195H1

<400> 32413

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 agtcgcagct aaaaaattgt tggcttttgc agagccagtg ccagtggaa aactataaat 180
 gaatcaatga aaatattcaa tattgtacat ttttttctca ttgagtaatt tttttttggg 240
 g 241

<210> 32414

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700894196H1

<400> 32414

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 taaaagtata aagatggcag agacattcct atttacctca gagtcggtga acgagggaca 120
 ccctgacaag ctctgcgacc aaatctccga tgctgtcttc gacgcttgcc tcgagcagga 180
 cccagacagc aaagttgcct gcgaaacatg caccaaaacc aacttggtca tgggtcttcgg 240
 agaa 244

<210> 32415

<211> 138

<212> DNA

<213> Glycine max

<223> Clone ID: 700894201H1

<400> 32415

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 gaactatgat taagcttttt aaagtaaagg aaaagcagag agaacttgca gaaaatgcaa 120
 gtggcggacc acctgtta 138

<210> 32416

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700894168H1

<400> 32416

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 agctgcctgg ggagctctcc agaagaataa tactcagttg atgattcggt catatgagct 180
 gggagtacta tttttaccat cattattcaa acgacacgaa tctgtatttt cctgtaccag 240
 taatgttac 249

<210> 32417

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894203H1

<400> 32417

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 aagggtttta tttgtatgat gataaacgca aggctagtcc tgatcctgaa ttgaagaact 180
 atattgagaa ggctaggagc atttctggtg tctccgttga tccaaagctt gccaaattac 240
 aagaaaa 247

<210> 32418

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700894131H1

<400> 32418

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 gcttcccttc ttcacacttg tttaccattc tcaacctcaa ggtctctcaa acaatcactt 180
 cttcaatcct cgcccttctt ttcacctca cttttcttct cattgcaaaa gcatccataa 240
 tccaggctct c 251

<210> 32419
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894132H1

<400> 32419

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 agattgtttc ctcggctaga ctaccaaacc tcattctttg atctgttcac tgcagttcct 180
 gttgttgtca cagccttcac atttcacttt aatgtgcacc ccattgggtt tgagcttgcc 240
 aaggcatccc aaatgacaac a 261

<210> 32420
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894133H1

<400> 32420

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 aggagaggag ctaagagaaa gacgaagcag gaccaagaag ccaaacacgt cgcagccgaa 180
 gataacaaga ccgaagctca gcctcgagct aaacgggcca aaacctccaa gcctcaatcc 240
 gaacctgagt actt 254

<210> 32421
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894135H1

<400> 32421

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 ctatgtgttg aatggatgca agaagcttag gaagcttgag attagagact gcccttttgg 120

caatgtggca cttctgacgg acgtaggga gtatgaaaca atgcatccc tttgatgtc 180
 gtcctgtgaa gtgaccgtcg gagcctgcaa gttgctagcg aagaagatgc cgaggttgaa 240
 cgtggagat 249

<210> 32422
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894137H1

<400> 32422

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 cagttgggtg agattctaac accagctgct tgcaccattg tttcttcgct caaaaacgat 180
 aatgtcgact cctatgttct atctgagtc agcctctttg tttatgccta caagatcatc 240
 atcaaaacct gt 252

<210> 32423
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894138H1

<400> 32423

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 cacttcatgt gcgtgggttt atgttgcatt tgttgttatt attattaaca gctatgtgat 180
 cttcgtgtga tgtgggtttc atccctaccc gtgttatgtt tgtgtattaa ataaaagtat 240
 gaagcgcccc a 251

<210> 32424
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894139H1

<400> 32424

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 cggacgaacc actcttcgta ttccaatttc ttcaaaacgc cacaggaaaa accatttgcg 180
 acccaaaatt ctgaaaatcc ttactaaacc ctacccctc gcacttcctc ttctaccgtc 240
 actgccg 247

<210> 32425

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894141H1

<400> 32425

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 ttataacact cactggtaag acaatacacc cttgagggtg agagttcaga taccatagat 120
 aatgtaaagt ccaagattca agacaaggaa gggatccac cagaccagca acgtctcatt 180
 tttgctggca agcagcttga ggatggacgt acacttgtg attacaacat tcaaaaggag 240
 tccactctac ac 252

<210> 32426

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894142H1

<400> 32426

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 tttcattgcc atccatcatc aagaagatac aaatcatcac agacaaagtg ctgttattac 180
 tagaattgca ttatacaggc ttaagtgcag ctatgaagaa gtacccaaaa aaagtgggta 240
 aattagag 248

<210> 32427

<211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894148H1

<400> 32430

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 gattcatacc ttgacagcta tatcagtacc attggagtgg actttaaaat ccgcactgtg 180
 gagcaggatg ggaagactat taaacttcaa atttgggaca ctgcgggtca ggaacgtttc 240
 cgaac 245

<210> 32431
 <211> 85
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894149H1

<400> 32431

gttttgtag cttgagttct ttgtaaatca tcaccttcag tttagtgtct tcaaatttca 60
 aataataatt tatgatgatt ccttt 85

<210> 32432
 <211> 203
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894150H1

<400> 32432

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 agctttgata ccaaaccagc ctgtgaatga gaccgatggc actggatcat ctgctggagc 120
 agcattgata ccaaaccagc ctgtgaatga gaccaatgac actggatcgt ctgctgggtt 180
 gaaccatata tatataattg gca 203

<210> 32433
 <211> 251
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894152H1

<400> 32433

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catttgcat tcattaatgg cagcgagttc tagaggcttc tccactacgc agtttgattt  120
caagctcaga gtaacgcgac tcaatgccgc tctgcttcct aagagtcccg tgctcgaatt  180
agggtcccaga aagcgtagaa agctttgttt cgacgctgac cgagttcgac tcggtaatgg  240
cgcaatacgc t                                     251
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<210> 32434

<211> 157

<212> DNA

<213> Glycine max

<223> Clone ID: 700894153H1

<400> 32434

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tgttgcgaag aaagtgtttg atgcttgaga aatgatgact ataattctta tctttgtact  120
tttttagtgg ggtacctgta tacattacac tggtttt                                     157
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<210> 32435

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894154H1

<400> 32435

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aagcacagag ttacagactc accgatcttc cgattctctt tcgtcttggt ttatgagctc  120
gaaggagaga cccactcttg gtggcacgcg gattaagacc cgcaaacgaa atattgctgc  180
gccgctggac cctgcagcat tctcggatgc agtgggtccag atttatttgg ataatgctgg  240
tgatctgg                                     248
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<210> 32436

<211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894155H1
 <400> 32436
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 agcatttcac gaaggaccgg ccatggattc aacttgatac tttctcacgt aatcgccgat 120
 agttcttctt ccaccagaga cgctcgcggt tggtacactt taccatccc tggcgctcct 180
 caactctttt tgacacaaag agtggacaac cgtgctgacc tcagtgattt tgagatatgt 240
 aacagataca a 251

<210> 32437
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894156H1
 <400> 32437
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 gagcacacca acttgatacc tctgattctt tctttgctta gaattccaca taatatggag 120
 aacattcttt tcaatcactc cccacctttg gaattcaagg gtttgagcaa ggaggaggaa 180
 gactcattgc tagggcaagt ggaaatatgg aggtacatga catgcttcac ggactccgtg 240
 gccttgaaa 249

<210> 32438
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894157H1
 <400> 32438
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 cctaacgggt aaaacgatca cgttggaggt ggagtcttcg gacaccatcg acaacgtgaa 120
 ggccaagatc caggacaagg aaggcatccc tccggaccag cagcgctca tcttcgccgg 180

gaagcagctg gaggacggcc gcaccctcgc cgactacaac atccagaagg agtccacgct 240
tcacctcg 248

<210> 32439
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700894159H1

<400> 32439

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ggccagaagc ttctgaagag gatgaaggga taatggagtc tctcaggcag aaaagaaaat 120
tgccttctga gaaccctgag cttgcaaaga agttgtcaaa aaactcaaaa tcaaaagata 180
gtgtttttgc ttccttgtgt tcaacattga gccagactgt gctgcctggt aagaaacctt 240
cagt 244

<210> 32440
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700894163H1

<400> 32440

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gcagctttca gtggtgtaat catattgcag tgttgatggg gcatttttca tctgcgttca 120
ataggttggc aaagtcattc acaacgaaga aaggaaggag ttctgatgaa tgtaatggaa 180
gagaagccgc ggaagcaatg gcaaaggaag ccaaaagaaa tcacttcattg ttgcatagct 240
ctggca 246

<210> 32441
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700894164H1

<400> 32441

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catggcatca gtgcgattgg aaaatttcaa caaggaataa atcctccatc atggaatatg 120
ttgctctttc atggaagtca cctaggccta gttatgaaaa cagggcttat caccgggatt 180
ttgtccctca ctgaaggtat tgcagtagga aggacatttg cagctctcaa aaactacaaa 240
gtggatggaa ataaggaaat gat 263

<210> 32442
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700894165H1

<400> 32442

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gacgagaccc agaacaagta tgagagctct gaggttgagg tccaggatcg tgggtgtttt 120
gactttctcg gtaagaaaaa ggatgaagaa gacaagcctc atcctcagga ggaggtcatc 180
gccaccgagt ttcaaaaagt cactgtctca gaccaaggag agaacaagca cagcctctta 240
gaaaa 245

<210> 32443
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700894167H1

<400> 32443

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actcttggtc ttgcgagaga aagccatgcc agagacgaag atttttggca tgctgtttgg 120
ccaaacactc ccattccaag ttcattgcga gatcttctaa agcctggccc tgcaagtgtt 180
gaaatcgatg atcaccctat gcaaattgaa gaaacacagt acccgaaaac cttcttctat 240
aaag 244

<210> 32444
<211> 249
<212> DNA

<213> Glycine max

<223> Clone ID: 700894130H1

<400> 32444

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gaggctcttc agaagatacg gcaaagttga tagagttgac atgaaatccg ggtttgcttt 120
tgtctacatg gaagatgaac gtgatgctga gtatgcaatc agaaggcttg atagaacaga 180
at ttggtaga aagggtcgcc ggaaccgtgt tgagtggact aagcaagaac gtgacagtag 240
aagatcagg 249

<210> 32445

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894092H1

<400> 32445

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ttctttcaaa ccttcttctg gttcttgga cctctcaatt atgtgggtggc aatgaaacct 120
taaagtggaa caaaaatatg acagaagaca agcagatgtg aactcactta tgctgttgtt 180
gggattgttg tgctacttgc ttccaatgct gttcaaatac agtggtgcct cagctgctct 240
cactgtag 248

<210> 32446

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894093H1

<400> 32446

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ttgcatttgc agctataata ttgggtgaat cctcagaagc tctgttttgg ctacagctgc 120
ctcaggcact taaacatttg ttgaacaagg tattgagaaa gcctccacca aaagaatcca 180
cagcagcacc tatctctgat gttgatcatg agacatctct actatctcgg atatcatcaa 240

agggaaaacc ga

252

<210> 32447
<211> 159
<212> DNA
<213> Glycine max

<223> Clone ID: 700894095H1

<400> 32447

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accatggagg tcattctcctt ccagaaaggc tgatagaga 159

<210> 32448
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700894101H1

<400> 32448

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atcttgagga tgtctctgct ctcagatctc atcaacctta acctctccga taccaccgag 120
aaggtgatcg cagagtacat atggatcggg ggatcaggaa tggacctgag gagcaaagca 180
aggactctcc caggaccagt tagcgaccct tcagagcttc ccaagtggaa ctatgatggt 240
tccagcacag gtcaagctc 259

<210> 32449
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700894102H1

<400> 32449

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cgtggggttc tgcatacagg aagaatggta tgcgtcgtga ttggcttggt cgtgacgcca 120
aaactggtga aatcttgaca agagcctcca gtgtttgggt catgatgaat aaagtgacaa 180

gaagactgtc taaaattccc gaagaagtca gggcagagat aagctcttat ttgtggatt 240
ctgctccagt tgtg 254

<210> 32450
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700894103H1

<400> 32450

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gtgacacacc taaaagctgt aaaataaaag aatcacaaaa ttatagtagg atggacactt 120
tagaaacttc ccatgattct taccatgaaa atattttaga aagcataaaa acagaaatcg 180
aaatacaata tgaattatcc gtagcataat ctgattaaaa ttccgtcaaa attaataaaa 240
ttataacttt cgataat 257

<210> 32451
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700894106H1

<400> 32451

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atcatcaaat cattcaaag cacctgttgt tgtgattgtg aaactaaaac accgtatctt 120
atcgatcttc aaacacagca aaacagtggc atcagttatt ttgaggttgt ttgttgggt 180
ggcggcggag agtggagct gctaattaa ggaaggaaag cattgctgtg tgtagtgga 240
atacaactac tacagt 256

<210> 32452
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700894107H1

<400> 32452

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 gccattatt cttcagctcg cccttgtttc caatctctac ttcatttctc agcttctaca 120
 cagaaagtac agtggaaact tcattgtaga tctattgggc aaatggaagg agtctgaata 180
 tggaggtggt cagtctgttc ctggttggtgg tattgcatac tacatcactg caccttcag 240
 cttagctgat atgg 254

<210> 32453
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894108H1

<400> 32453

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 tgccctcagg ctgaagacat catcaaagaa caagtcaagc ttctctacaa gcgccacaag 180
 aacactgctt tctcctggct cagaaacatc ttccatgact gtgctgttca gagttgtgat 240
 gcttcactgt tgctgg 256

<210> 32454
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894109H1

<400> 32454

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 tacgaatata atcaatctgg gcctccctcc attaagatgg ctgcagaagg ctacactttt 120
 gggcttaaca agatacacca cactgaagtg ttctactcca caaatctctc ttacgccatg 180
 gttaacctgc gtcctcttct ccctggtcac atcctttaca tgggtttcat gtttcaataa 240
 cacagtgatg ggggtgg 256

<210> 32455
 <211> 255
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894110H1

<400> 32455

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agtaggagcc cttacacctt gcagaatcat ctctacattc ccaagggctc ctactacgca 60
ataactccaa gcccgatctc aaattaatat ttcatttact catcttaatc aatattaaat 120
aagaaaagat gggagagatg tcaaacttcc aattgggtgt gattgggtgca ctatttctct 180
ctgtggcttc ttctgtctcc attgtcatct gcaacaaagc cttgatgagc aatcttggct 240
tcccttttgc caciaa 255
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<210> 32456

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894113H1

<400> 32456

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ttgagattat tcttgatttt cttggtttgg tggagaaatt ttattacctc tcaggagat 120
atgacattga gctgactgtc ggggatgctg tcatggagaa ctctttctta tggctgcttg 180
gtcaagtga tttagatctt cctgaagcac ctgagaaggc agcccgctt cctccactcc 240
ctgttgat 248
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<210> 32457

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: 700894114H1

<400> 32457

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cccaactctc cgacgtctc ttcaccatgg tgggcccccc ctccgacgtt cgctccctcc 120
tctcgactc cccggtctc tctccctcc g 151
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<210> 32458

<211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894115H1

<400> 32458

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 ttgaaaagga ggaatggaag ctggacacac tctgcatctt ttatgagaca ttagctatca 180
 ctcagagtgt catttttgtt aacaccagaa ggaaagttga ttggttgact gacaagatga 240
 gaagccgtga 250

<210> 32459
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894116H1

<400> 32459

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 tgcagctctg aaggcccaaa ttgagaagct gcaacaggag agggatgaat tccagagaat 180
 ggttattggt aatcagcaag taaagactca acaaatgcat gagatgaaga agaaggaaaa 240
 agaatacata a 251

<210> 32460
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894117H1

<400> 32460

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 attaaatgag agcaaaaatg acgctcaaaa cagcggcggt ggctgtggct atagtgtgca 120
 tttctgcctt tagcatcact gtggtggctg aagatccata caggttcttc aactggaatg 180

ttacatacgg agacatttat ccacttggtg ttcgccaaca ggaataactt atcaacggtc 240
aattcccagg tccagacatt cattctg 267

<210> 32461
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700894118H1

<400> 32461

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gaaggagaac cggaataaga ataagaagtt gaagatgtcg tcgtcgtcgt cgaaggctgg 120
tggcgggtggt gaggttaggg cttcgcacat attgataaag cacgaagggt ctagaaggaa 180
ggcctcgtgg aaggatccag aaggccgcat catcaagagc acaaccagag aaaacgcggt 240
ttctcagctc aaggcc 256

<210> 32462
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700894119H1

<400> 32462

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aaccgccgcc ctccgcccc aactaagccc aaagctaagg tccgccgcca caaccaccat 120
cgtctgcagc accaccaaca acaacaacaa caacaacgtg tcctccgacc tgaaggcggt 180
ctccgccgcg ctggccctct cctccatcct cctctccgcc cctctccccg cggcgccga 240
catctcgggg ctca 254

<210> 32463
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700894120H1

<400> 32463

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 ctacgacccc aaatttagta acggtaatgg ttactcagac gggatcgta ccaagaaaaa 180
 aataattcca gttgctagca ggccttatta tgaggacgag agtgacaacg accatgatga 240
 cgatgaaggg aagca 255

<210> 32464
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894121H1

<400> 32464
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 attgatctat attcctctcc ctgatgagga ttcccgtcat caaatcttta aagcctgctt 120
 gaggaagtca cctgtcgcaa aaaatgttga tttgagaaca ttggctaggc atactcaagg 180
 gttcagtggg gctgatatta cagaaatatg ccagcgagca tgcaaatatg caataagaga 240
 aaacatagag aagg 254

<210> 32465
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894122H1

<400> 32465
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 ttcaatgccc acctttgaag ggaatggata gtcgcttctt gaaggaatta gggctcaaat 180
 tggttcaaag ttaaccaatc tattatctaa ctaggtaaaa atctcaccca gatgtcaaat 240
 gttgggaact c 251

<210> 32466
 <211> 256
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894123H1

<400> 32466

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 actcgccgaa accctagaag actccttccc ctctctgcc tccacccac tccctctcca 180
 gaacctccgc ctctctctct cccaatccct cctctccact ccatggccct cccgccgcga 240
 cgagcccttc cgcttt 256

<210> 32467

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894124H1

<400> 32467

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 tatggcgatc tcaaaagaat ctgtgaaacc gatctggggt tgatttctca gtgctgtctt 180
 acaaaacacg tattcaagat caataggagt tatttggcaa atgtggcact aaagatcaat 240
 gtcaagatgg ga 252

<210> 32468

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700894128H1

<400> 32468

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 cataaatcaa tctaagtcta tggattctt cagaggctat tctgcttcac atttcagtgg 120
 gggacaatgg aattctggtg gacaatgtga cagtgaacc gtgcctatca agaagagaa 180
 gtacttgagg gaataccccc ctaagatgag ggtattggaa aaggttttga agaacatgaa 240

agcccatgtc

250

<210> 32469
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894129H1

<400> 32469

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 cgttggttca tgctatttgc atctttactc atcatgtccg ttgcaggggc aacctacatg 180
 tttgggatat actctaacga ggtcaaaacc tcattagggg tacgaccaat ccactctcaa 240
 cttgctaa 248

<210> 32470
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894091H1

<400> 32470

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 atccagaagg tgaatatgtg aggcaatggc tacctgagtt ggcaagaatg ccaactgagt 180
 ggatccatca tccttgggat gcaccactta ctgtgcttcg agcagcagga gttgagctgg 240
 gccagaa 247

<210> 32471
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894058H1

<400> 32471

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tggtcttgcg agagaaagcc atgccagaga cgaagatttt tggcatgctg tttggccaaa 120
 cactcccatt ccaagttcat tgcgagatct tctaaagcct ggccctgcaa gtgttgaaat 180
 cgatgatcac cctatgcaaa ttgaagaaac acagtaccg aaaaccttct tctataaaga 240
 agacct 246

<210> 32472
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894059H1

<400> 32472

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 taccagatgg ccatgagctt gagcgcttgg acaatcctga gattcaaggg gctaaatttg 120
 atccagaagg tgaatatgtg aggcaatggc tacctgagtt ggcaagaatg ccaactgagt 180
 ggatccatca tcttgggat gcaccactta ctgtgcttcg agcagcagga gttgagctgg 240
 gccagaat 248

<210> 32473
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894060H1

<400> 32473

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 ctcgatcttc cactctatct ctttcttct cataaatttc gcatccatat tctctcacct 180
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 tggttcttgg tgggga 257

<210> 32474
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894062H1

<400> 32474

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 tgcagtttga tgaggctgag aagctgtgcc agatggctct tgacattcac aggggaaatg 180
 gagctcctgc ttccatcgag gaagctgctg ataggagact aatggggctt atctgtgact 240
 caaagggtga ttatgaagc 259

<210> 32475

<211> 207

<212> DNA

<213> Glycine max

<223> Clone ID: 700894063H1

<400> 32475

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 ggctccgatt actgtagtta tgccgcttcc tgctagactt ataatgtaag aggatgcagc 120
 atgtattaca tatgctcttg tctgatatga tgtgaagaac attaggtatc tgctatttac 180
 ttcagcactt ggttattttg tcaacct 207

<210> 32476

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894065H1

<400> 32476

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 ctgctttcat tctctttgct tttattccga atggattggt agcagttcct tccaccgtcc 120
 cggcattcct ttggtcatca cattatgaac tggcctctga aaatatattg aaggaaatctg 180
 taaattacca agtcatttct ccgaaggatc tagcaaaatc tattttatct gaagcaggct 240
 gg 242

<210> 32477

<211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894066H1

<400> 32477

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 ataagtcata atcgtggatc acgttcttcg acccgaaggc aacgaactct tcacagacgt 180
 tggcatcgca ttcgacatga tgcttctcgc tcacaacgcc ggtggcaaag agaggaccga 240
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<210> 32478
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894068H1

<400> 32478

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 tcggaaacgg aagcgacgtc gtttacattc agaggttaat accctccgat caatcatgga 120
 aatggttcca ttatctcgac aaacacatcc catggaccag acccaccatt cgcgtcttcg 180
 gaaaatcttt ccttcagcct cgagacacat gttatgttgc aactccagga ttgactga 238

<210> 32479
 <211> 239
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700894069H1

<400> 32479

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 tcatgttgcc acctactgca cttttaaggg tattaaatct tttgtctaag gtgatgccag 180
 aggcaaaact gtttccacac aacatacgaa tcaaanrnnn actagccttg tgtaattgt 239

<210> 32480
 <211> 178
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894070H1

<400> 32480

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 gatattgatt ggattgctat tggatatagag ttatgatgtg ttgtcgaatc ttgttggtgg 120
 ttagcgctct ctagatagag gcacaattag gaggggtgta ttccattccc ggcattctc 178

<210> 32481
 <211> 226
 <212> DNA
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<223> unsure at all n locations

<223> Clone ID: 700894072H1

<400> 32481

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 tcagtttaca gtttagaata taatctgtag agctttacca gacataagtc ttgtaagaac 120
 tgctcgtgtt ccggctcaga gtattcgtgc acacaaagta aattatcttg ctttcaccaa 180
 gcccanfaat agttgtagag ctgtatagat ttatttctaa actgtg 226

<210> 32482
 <211> 242
 <212> DNA
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<223> Clone ID: 700894073H1

<400> 32482

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 tgtgcatatc aattccaaag taccctattg ttcatttttt tttttctgat ttattgctat 120
 tccacaaatc ggacgttata aaggaaacca attgtttaat atattaagga gtcttcaaga 180
 gattgtcttg ccctttgggt tgctataatc aaacgctcaa ccacttggtg aaaaagcctt 240

242

<400>	32483
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<400> 32484

<400> 32485

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 cctttctcac tcgttttctt atagccctaa ttaacgtggt aataattctc actccacttt 180
 tcttaaacct tgctctttct ttcttttttt cccctatccc tttagcttaa ttttttggct 240
 acgttatggg gatc 254

<210> 32486
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894080H1

<400> 32486

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 tggcagtggg atccacatgt gtccaggga cgaattagcc aagttggaga ttttggctct 180
 cctacatcat ctgaccacaa agtacagggt gtctgttgtg ggtgcaaaga atgggattca 240
 atacggccct tttgctctt 259

<210> 32487
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894081H1

<400> 32487

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 caagtatgag gataagatag accctctggc agagaaggca ttcattcgagt tcaagaagca 180
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<210> 32488
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894082H1

<400> 32488

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caaccatagt tcacatatta tatcatcaca tatcatagtg atatcatatc acaatgtgtg 180
gcatacttgc tgtgcttggg tgctctgatt catctcaagc caaaaggggc cgcgtcctt 239

<210> 32489

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894083H1

<400> 32489

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gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttc 238

<210> 32490

<211> 227

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700894084H1

<400> 32490

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ttgttgaac ccctgattac atttttggtta agcgcacgan gtttcaggac tttgctgcgt 180
tgtgttgctt tggtttatta aatgtcaact ttctatttgt agtggttc 227

<210> 32491

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700894085H1

<400> 32491

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 tgcattgcgtg attcagactt cagatactga acgtaattgg ggcaagagat tattatcaat 120
 tctcaatctt tatctcttgc cccatgtacg ttcagtatct gaagtctgaa tcacgcatgg 180
 ggcaagagat aaagattgag aattgataat aatttcttta agcattatat gtgtttt 237

<210> 32492

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700894086H1

<400> 32492

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 atatgcttgc aagaaagaag atcatatcat cgtgggttgt caaagtggag tgagatctct 180
 gtatgcaact gctgatcttc taacggaagg atttaaggat gtgagcaaca tgggagga 238

<210> 32493

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700894087H1

<400> 32493

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 aatctttccc aagcgttctt ttgatttctg caaccgcgtt gtgtccacgc tccatgcaac 180
 tttagcagtc acattggctt ggctctctgt tgaagattgg aagtgtccaa tttgtcctg 239

<210> 32494

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700894088H1

<400> 32494

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 tcatgcaacg catggagaag gtgagaatgg agattgatga aaagaggaag aggcaagcga 180
 ggaggttcat cgaggctatt gaagttggag tgatgaagaa gctgaaggcg aaggaagagg 240
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<210> 32495

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700894089H1

<400> 32495

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 acttgcaagg gagaatgcaa aggacatcat tgcttgtggt ttgacattt caaagacatt 180
 catcttctct gatttcaatt atgttggcgg ttccttctac aagaacatgt gtgaggttgg 240

<210> 32496

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894090H1

<400> 32496

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 tagccacctt cctctttgtc tttgttggcg ttggttcttc catggtcggt gacaagcttg 180
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 taa 243

<210> 32497

<211> 247

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700894057H1
 <400> 32497

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 ttgatttccg accttagaga cccttcaagt ttctgccttt ttcttattcg cttttccctt 180
 ttttttgggt cctcaatttc tgaaacctgc aactgagaaa aagattgtctc tgataactcg 240
 tgcctcg 247

<210> 32498
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894028H1
 <400> 32498

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 gggattttta aggatcagta atggggaaaa ttaagggtca ttgtggtgtc ctttttcatg 120
 atttctggtg taggagcact cattgaagat aaaggaatta gtaaaggact tggataaat 180
 gaagaagtgc aacctagcat ggaatcaagt acaaaattta gtgatgtaca aggtgtcgat 240
 g 241

<210> 32499
 <211> 107
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894029H1
 <400> 32499

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 gagcaggtga aggaacttgg agttgaatac cgtgttgga agttccg 107

<210> 32500
 <211> 252

<212> DNA
 <213> Glycine max

<223> Clone ID: 700894031H1

<400> 32500

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 tcctcttctt atgatgggtc ttgatcaaga tgctagcagc aactctggcc ttcattcttat 120
 tctagcgta gctttgactg ccaccaccac cactactcca tcaactacat ccatttccaa 180
 caagcttgat catgttgatc atcatcacca tcttataact cttagaccaa caacaaagtc 240
 accctataat tc 252

<210> 32501
 <211> 259
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700894032H1

<400> 32501

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 gtgtatatgt tttcttggtt gaatagtaat atgggtctgt aaaaaatccc ctctagaacc 180
 tctggttttg caattgagtg atctttcttt gcaaaataaa ccaatgtaga atctaaaaaa 240
 tgtatgcaag agtgagggt 259

<210> 32502
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894033H1

<400> 32502

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 ttccgcatct cttgattcca aaaaattttg tttctttttt tccccctaatt ttgatttccc 120
 cagttagggt ttttaattct actcgatcgc cggtttcgaa taccggagg ctcgaatcgt 180

gttggggggtt ttggtttttg attaaggaag tttccgtttt ttgtgttggg tgatcaaggg 240
 ttgtttga 248

<210> 32503
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894034H1
 <400> 32503

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 caaacaattt ttcttcatat ctgtctccgg gagagtcgct ttgacgggaa acaagggttt 180
 tcgctgcaat tctaatacggc caaattggaa tcgtcggatc aatttgcata gaagttcctg 240
 gagtg 245

<210> 32504
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894036H1
 <400> 32504

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 tccaatccca tctctctctc gcaaaccacg acgacgacga cgatgttggg tgcctccgc 120
 agcaaggctg ggttccctccg ccgcctcctc tccctctccg tccccctccg gcaccggtcg 180
 atcaaggcgg cggcgggcggg tggacatgtg gtggagggtg acatggcgga gtacgacgtg 240
 gcgctg 246

<210> 32505
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894037H1
 <400> 32505

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 gttggccaca agagccttct ccagagtgat gctctttacc agtatattct ggagaccagt 180
 gtctacccaa gagaacctga atccatgaaa gaactgagag agttgacagc aaaacacca 240
 tggaac 246

<210> 32506
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894038H1

<400> 32506

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 tctgtggttt ctttctttct ttctttctgc atcacatcac aatttgcttt gcctcgtgtc 180
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 accaac 246

<210> 32507
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894039H1

<400> 32507

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 cttttgtact gcataatcag tactggggac acaatcgag aagaagaaaa ctgaagcatt 180
 ttctattgaa agttattgat gaagttgcca gcatgtaatt tgaagttgaa gcactagcat 240
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<210> 32508
 <211> 247
 <212> DNA

<213> Glycine max

<223> Clone ID: 700894040H1

<400> 32508

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aatgagagaa atcttgcaca tccagggagg gcaatgcggt aaccagatcg gagcgaagtt 120
ctgggaggtg atatgcgacg agcacggcat cgaccacacc ggaaagtaca gcggcgactc 180
cgagctccaa ttggagcgca tcgctgttta ttacagttaa gccagcggcg gaaggtacgt 240
tccacgc 247

<210> 32509

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700894041H1

<400> 32509

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gcattcaaat gccactacta gtccccatat gcttggaaca gtatgaacag tatagtttat 180
gcgcaaatca ataagtaact gttctgttta gtgcatgttc tttaaatgaa gatacathtt 240
ttagatgt 248

<210> 32510

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894042H1

<400> 32510

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aagatgtgca aaatctagtt caattggagc cgaagggatt ttgtggcata gagctttaca 180
atggaattct catgcgttat gtcaaggcct cgagtgccta tttggggaag caagatgatg 240

ctttagacat tg

252

<210> 32511
 <211> 203
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894043H1
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 tgcacatcat gttcgttctg gagatctatg tcttccgtat cattagctgt tgtcattgtg 180
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<210> 32512
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894045H1
 <400> 32512

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 aattgtatgc tatgctttga cttaatcggt ctgaatcttc ttctataaac ctttaattgtt 120
 attttttcag gccttcaatg gggtactatt attgtaaacc caggccttgt gatactcata 180
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 tctcaggtga agcagag 257

<210> 32513
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894046H1
 <400> 32513

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gagagcagca attggaggac gatcgatggg cactacagtg tgcgcagttg ctgagcctga 180
cagacctcta tggttcccag gcagacccc tctccatgg cttgatggca ctctacctgg 240
agacttcgg 249

<210> 32514
<211> 263
<212> DNA
<213> Glycine max
<223> Clone ID: 700894047H1
<400> 32514

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ccccagacc agcaacctct catcttcgcc ggaaagcaac ttgaggacgg gcgcaccctc 180
gccgactaca acatccagaa ggaatctacc cttcacctcg tctccgtct ccggtggtggc 240
atgcagatct tcgttaagac cct 263

<210> 32515
<211> 263
<212> DNA
<213> Glycine max
<223> Clone ID: 700894048H1
<400> 32515

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agggctagtg agatcagcag caaattagaa gccacattat gtgtaggcta ttttctgttt 180
ttttgctcag gtggatagct acgcagatga tataaaaacc aattgtaaat gcattatagt 240
taaagagtag agaaatgcac aca 263

<210> 32516
<211> 237
<212> DNA
<213> Glycine max
<223> Clone ID: 700894049H1

<400> 32516

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 aagttctctc tgccgttcag aagtatgaga agtatcatgt ttgctatgga ggtcaagagg 180
 aagagaggaa agctaattat accgatatgg ttaataaata ctacgatctt gttacca 237

<210> 32517

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894051H1

<400> 32517

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 ttattggaat gctcataaca accaggatgt gggaaccacc agaactaac ggggtgttac 180
 tgtcaaatca ccgacatgag ctttaactac aagtgggtgc aggggattgt gctactaaaa 240
 agc 243

<210> 32518

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700894052H1

<400> 32518

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 gatggtgccc ttggctttga ttatcgctg cacatggcca ttgcagacaa gtggattgag 180
 attctcaaga agaacgatga agactggaaa atgggtgata tcatccacac aacat 235

<210> 32519

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894053H1

<400> 32519

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ggttggggaa ctaacgagga gctgattgta tcgatcttgg ctcataggaa tgctgctcag 180
aggaagctta tcagagaaac ttatgccag acctatggag aagatctcct caaggccttg 240
ga 242

<210> 32520

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700894054H1

<400> 32520

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<210> 32521

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700894055H1

<400> 32521

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tacgttctcc tttgttctct tcttccgat ttggtacatg cgggtgttcta cttctctctt 180
ggtttgataa caggatttga ctcaagtgtt gtggtctccc atttcaggag aatcactcac 240
tg 242

<210> 32522
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894056H1

<400> 32522

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 acaattgtta ctcaatttga tctgtaatgc atattaatgt tagagactaa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa aggggcaccc aaaaagaacc acct 224

<210> 32523
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894026H1

<400> 32523

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 ctttttagtt tatatgatgt gaagtccatg ttgtaacatt attatagaat gtatggaata 180
 gatttgtaaa tttattgtgt gtatcaaata gatgaagatg ttatattatc ctactgtggt 240
 gcttttatgt t 251

<210> 32524
 <211> 219
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893991H1

<400> 32524

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 gccgagggat caccgccttg gggaagcgag tcgccaacca gatctggact tccaaccccc 120
 cctcagctcc tctcacttcc aggaggggag caatagcagc tgcatacagt agcagcggcg 180

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226

<210> 32528
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700893996H1

<400> 32528

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tattccttct gctgatctcg aaatgccatc aagtgtgggg ctcctacgcg gggtccgcta 120
gctccatcgt caacccttcc aaggtcaaac agatttcctg gaagccaaga gctttcgttt 180
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<210> 32529
<211> 253
<212> DNA
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<223> Clone ID: 700894001H1

<400> 32529

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ccatcgaatt aagtttgcca catcctaggg gagatgagtt tggtgccgtt agtagagtcg 180
tcttgcccg cagaccaagg gctgaaagta caatttggt aattgccaag gcatatgttg 240
ttgtcaatga ctc 253

<210> 32530
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700894002H1

<400> 32530

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agtactgcta tctcagcctt cccatctctc ctttcttctt caaatccag atttgccacc 120

gcagttcctc tttctagctt tgggtgcacc aatgcctctt cttctcgctt ttctatgagt 180
 gctgactgga tgccaggcca gcctagacct ccttaccttg atgggttcagc acctggtgac 240
 tttggattcg ac 252

<210> 32531
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894004H1
 <400> 32531

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 attctgctgt ggatgtaggg aacaatgact atcttccac ccttttcaag gctgattacc 180
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 tagctact 248

<210> 32532
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894005H1
 <400> 32532

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 accctagttt caaactcgtc atcgtcggtg acggtggtac aggaaagaca acgttcgtga 120
 aaaggcatct taccggtgaa tttgagaaga aatacgaacc gaccattgga gtggaggttc 180
 acccattgga tttcttcaca aactgtggaa agattcgctt ctactgttgg gatactgccg 240
 gacaaga 247

<210> 32533
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894007H1

<400> 32533

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 cacttgccat atatcatgtg gacaagggtc tcattccttt ggacttctct aagccaaagc 120
 ctatagctcc agcaccagct gtggccaagg ctccataaagc tgataaggag aactcttcag 180
 cagaagatga ggaccaggct caggcagcca aggacagctc tgggtgcaaca agttttgtta 240
 gcattcatgg 250

<210> 32534

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700894008H1

<400> 32534

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 ctaccatagg agctggagtg tatattctca ttggaacagt tgctagagag caagcaggac 120
 cagcacttgt gatatacatt ctcatgtctg gaatagctgc tggactgtca gctttttgct 180
 atgctgagct tgcattgtcg tgtccgtctg cggggagtgc ttatcattat acatacatat 240
 gcattggaga 250

<210> 32535

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700894009H1

<400> 32535

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 tccttgccag aagttaaaat ggccaagaa actttcctat tcacatctga atcagtgaac 120
 gaggggcacc ctgacaagct ctgtgaccag atctccgatg ctgtgctcga tgcattgctg 180
 gagcaggacc ctgacagcaa ggttgccctgt gaaacctgca ccaagaccaa catggtgatg 240
 gttttcggag ag 252

<210> 32536

<211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894010H1

<400> 32536

gttagatgat tcaattctta aaacgattga atcttcttct caacaagagc tgaaggaatc 60
 cagggacttg atccaacgca ttcgaagaag ggatctatac cagtactgca atgaattttc 120
 tgttcccaag gaaagactgg accacttcag aagtatcaca cccaagata tcgtttgttc 180
 ccagactaat ggtgccaatc tgaaagaaga ggatgttggt gtgagctatg ttagaattga 240
 tttaacaaga g 251

<210> 32537
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894011H1

<400> 32537

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 gtgtgaagaa agttttccac cttgtccgca tcaagcaagt gttttgggcc aatgaaggaa 120
 acaaggctgg tgaagagagt gtgaacttgt ttctcaagtc tattggcctc agagagtatt 180
 cgagatacat tagtttcaac cacccttata gtcatgagag gcccttcta gccacctta 240
 agtttttccc ttgggtg 257

<210> 32538
 <211> 210
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894012H1

<400> 32538

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 atgagtggag tctagcttgg tcatggtcga tgtatgagtc gtgagctcat cgatcacata 180

caaggatagc gtgtcatgtc agatacatga

210

<210> 32539
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700894013H1

<400> 32539

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ccacatgacc taaagaaggc atggaagggt ggtgttctca ctgcggtcat caagcatatg 120
tcccctgata ttgccaaaat tgcgaagctt gtgaggcagt ctaagtgtct tcaagacaaa 180
atgactgcaa aggaaagtgc aacctggctt gccatcatca accaagagga agccttggct 240
agaga 245

<210> 32540
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700894014H1

<400> 32540

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gcaacacaca ttttagaatg agctacgtgt tgcccctgaa gaacaccccg tacttcttac 120
cgaggcacca ctcaatccca aggccaacag agagaagatg acccaaatta tgtttgagac 180
tttcaatgtg cctgccatgt atgttgcaat tcaggctgtc ttgtctctgt atgccagtgg 240
acgtacta 248

<210> 32541
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700894015H1

<400> 32541

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ggcttacttc aaccaatccc tegtttccgt tatttctccct ctccttcagt tcttttcacg 120
aaccggttcc cctctcatga tgaaccttta cccctactac gtcttcatgc agaacaaagg 180
tgtggttcct ctgcacaatg ctctcttcaa acccctcact cctaataagg aaatggtcga 240
ccccaacacc t 251

<210> 32542
<211> 267
<212> DNA
<213> Glycine max
<223> Clone ID: 700894016H1
<400> 32542

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tttggcgtct tatgcactat ggctcgagat catgtcatca agctaaacat atcaggatca 120
tcattaaagg gggttcttgc accagagctg gggcaaatca cctacttgca ggcactaatt 180
ttgcatggca acaatttcat tggaacaata cctagagagt tgggtgtgtt ggaatctctc 240
aagggtgttg atttggaat gaaccaa 267

<210> 32543
<211> 231
<212> DNA
<213> Glycine max
<223> Clone ID: 700894018H1
<400> 32543

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aaaggaggga aaaagaaaaa caaaaaaat ctaatagtta ttttgcttcc gcaccaacag 120
tttgtgctaa gactttocag tgtgcagctg cagctgggtc aatgattcaa aattgtagtt 180
ctttgttgga gcattcatca tgtccaaatt gcaattttca gaagatagca c 231

<210> 32544
<211> 245
<212> DNA
<213> Glycine max
<223> Clone ID: 700894019H1

<400> 32544

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 catccgtgtc aagaggttga gaatgtggtg ataccgcctt acgtttcgcc ggaaagtgtg 120
 aggagtacgc tggaaaagtt tccggtgacc ggccggcgag acatttttgc ttttttccga 180
 gggaaaatgg aagtccatcc taaaaatgtc agccgacggt ttacagcaa gcgagtggag 240
 acgga 245

<210> 32545

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894022H1

<400> 32545

gaaattgatg atgatgttgc tgatgtgggg ctctgaatcc caaggccgat tactgtctat 60
 cccaacaaaa cctaaccag atgatgtcct tgctctgct cggttggtcg tctccctcaa 120
 tttctgggga gtcttgaata ctatctcatc tgatttgggt ggagctccct ttgggaatgt 180
 ggtatcatat agtcatggac tacctaacga aagcactgga atccatact ttacttgac 240
 aactcta 247

<210> 32546

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894023H1

<400> 32546

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 ttgcctgctc cttctgctta tttgcgtctt tggcttttgg acgcgatttc tccattgtgg 120
 gctattcatc ggaggactta aagtccatgg ataagctcat tgaactcttt gaatcatgga 180
 tgtcaaaaca tggcaagatt taccaaagca ttgaggagaa gcttcttagg ttcgagattt 240
 tcaagga 247

<210> 32547

<211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894024H1

<400> 32547

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 tttgcaagat ggctaaggaa aaggctcaga tcaacattgt ggtggttggt catgtggacc 120
 ctgaggaggc aaccaccatt aacgagctga agaagcctgt tgtggagaaa gaagctccag 180
 ggcattgccat atgagggcat gcacgcacgg cctcggaggg gaaccagaaa attatgttaa 240
 caaaataat 249

<210> 32548
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894025H1

<400> 32548

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 cttgatatga tccgtaggat tgctgatgag gatcctgatg agtccactga caaagaaaag 120
 aaagatacgt catctgacaa taatgacgag aaaggtaaat attccaagtt ctggaatgag 180
 tttggtaaat ccattaaact tggatatcatc gaggatgcc acaacagaaa tcgtttggca 240
 aaactgctca 250

<210> 32549
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893990H1

<400> 32549

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 gaccgagcag agcttcgtct tggccctcga ttttgcccta aagtactctc agtcacaaca 120
 gacaccgtcg tcgtcgtcgt cgatcatcaat ggcaccgaag cagaccaagg ctgagaagaa 180

gatcgcttac gatgcgaact gtgcgaccta atggag

216

<210> 32550
<211> 217
<212> DNA
<213> Glycine max

<223> Clone ID: 700893949H1

<400> 32550

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ccctacaatg ctactctctc tgttcaccag cttgttgaaa atgcagacga gtgcatggtg 120
cttgacaatg aagctttgta tgacatctgc ttccgtaccc tcaagetaac cacccttagc 180
tttggtgact tgaaccatth gatctcagcg acaatgt 217

<210> 32551
<211> 219
<212> DNA
<213> Glycine max

<223> Clone ID: 700893950H1

<400> 32551

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ctcctccacc tctccgtca ggacctctct ctctccaac ttcgtcgctt cttacactgg 120
aatctacagc gctatagcc tcttctccgg ccacaagctc cgactctcct ccctcaatcc 180
gggggtcgtt cgcggtcca actccaaacg aggcgtcgt 219

<210> 32552
<211> 219
<212> DNA
<213> Glycine max

<223> Clone ID: 700893952H1

<400> 32552

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gtccttctgc tgtaaagtgc caagtaacga tattaatctc caattttttt taaccctgac 120
gggttattat tatttttatt ttcttttgtg actgttttct cgggttcac atgtatttta 180

cttaagttat ttgcatcgta acttattgct accttaaaa

219

<210> 32553
<211> 223
<212> DNA
<213> Glycine max

<223> Clone ID: 700893954H1

<400> 32553

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tcttttcgta atttaataag atgtttggga gggcaccgaa gaagagcgat aatacgaggt 120
actacgaaat cctcggcgct tccaagaacg ctctcgagga tgatctgaag aaggcttaca 180
agaaagccgc cattaagaat cccccgaca agggcggtga tcc 223

<210> 32554
<211> 223
<212> DNA
<213> Glycine max

<223> Clone ID: 700893955H1

<400> 32554

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cccaccccca cccctgcac ctgcccctgc ccaagagcca cgctgccag catttagaac 120
tgcttcagca ccatcatcac cacagattca gccaaactaa ccagctcccc agcctcaaga 180
acacccttct tctcaacata acagattctc ctcttcttca ctc 223

<210> 32555
<211> 216
<212> DNA
<213> Glycine max

<223> Clone ID: 700893956H1

<400> 32555

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ggctatgatg gggtaactgc agacttggtg tcattgtggg ttattctctt tgtattgggt 120
gcaggttact tgcctttcga tgaccctaata cttatgaacc tgtataaaaa aatctcagtt 180

gctgaattta cttgcccccc atggctttct ttcagt

216

<210> 32556
<211> 224
<212> DNA
<213> Glycine max

<223> Clone ID: 700893957H1

<400> 32556

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ttcatttcat atgtttatgc acctctatat atacatagac acatgtaaat gggtgcaaag 120
gaagataaga taggtaccag ctatcacata gtttatttaa tccgttatat gccacctgat 180
atataggcat attagctagt taggtaggta tagtagttta agtt 224

<210> 32557
<211> 224
<212> DNA
<213> Glycine max

<223> Clone ID: 700893958H1

<400> 32557

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accttccatg gcctccaagc ggattctgaa ggagcttaag gacctccaga aagaccctcc 120
aacctcttgc agcgccgggc ctgtagcgga agatatgttt cattggcaag cgactataat 180
gggtccccct gatagccctt atgctggggg tgtttttcta gtta 224

<210> 32558
<211> 223
<212> DNA
<213> Glycine max

<223> Clone ID: 700893960H1

<400> 32558

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taaagtgtag cagttattta gttggctgac cgaaaccatt tatagtttct acggagcaca 120
atgttggtcc atgaaacttc tgcaatcaat gctcttcgaa aattgcaaca aaaatacata 180

caacggaact catccaattt caatggttgc gagagctaac gga

223

<210> 32559
<211> 228
<212> DNA
<213> Glycine max

<223> Clone ID: 700893962H1

<400> 32559

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tcttcgcca gccaacatga gctcaatcgt tcagggtttc accaagtcgc tggccatgac 120
cattctctct gagatcggcg aaaaaacttt ttttgcagct gcgatactgg ctatgcgaca 180
cccaagacgc ctagtcttat caggttgctt atcggctttg attgtgat 228

<210> 32560
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700893963H1

<400> 32560

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gctagcctca aggttgcatt tttggctgca gtgctctgca tggttgtggt gagtgcaccc 120
atggcacatg cagctatcac gtgcgggcag gtgacgaata gcctgatcaa ttgcatcggt 180
tacctccaga acggaggaac gccgccgtcg ggatgctgca acggagtga 230

<210> 32561
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700893964H1

<400> 32561

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cacagaacca ttccatagcc atgtctggtg ttggccctct ttctcaggat tgggaacctg 120
tcgtcctccg caagaaggct cccaccgccg ccgccaagaa ggacgagaaa gccgtcaacg 180

ccgcccgcgcg ctctggcgcc gaaatcgaaa ccctaaaaaa gtataatgct ggga 234

<210> 32562
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893966H1

<400> 32562

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 gtttgcaaac tcaaaatgta agaggtatctt ccacaatcgc ctgaagcctt caaagctcac 180
 ctggactgca atgtacagaa agcaacacaa aaagga 216

<210> 32563
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893967H1

<400> 32563

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 attgctctat tattgtttga cgatggctga tgctcatggg actgataaga acattgaggt 120
 gtggaaaatc aagaaattga tcaaagctct tgaggctgcc agaggaaatg ggacaagtat 180
 gatttcctt atcatgcctc cacgtgatca aatata 216

<210> 32564
 <211> 218
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893969H1

<400> 32564

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 gaaaaggctc aatgctccta agcattggat gcttgacaaa ctgggtggtg catttgcgcc 120
 taaaccctca tctggaccac acaaatcgag ggagtgcctc cccctcattc ttattctgcg 180

cctcataaag ttttgccta caaaagagga gatggaatta c

221

<210> 32568
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893975H1

<400> 32568

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 tctcatctt ctctctctc accccagccc tcatttctc tccccctgtc caagaccctg 120
 aatttggtgc ccaagaagtt aacaggaaaa tcaatgcttc cgtagctaga aggaatttgg 180
 ggtacttgct ctgtgcgaca gggaacccca ttgacgattg tt 222

<210> 32569
 <211> 220
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893976H1

<400> 32569

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 gttttgtttc ttcttcgaaa gcaaagcttg agagtctcca acatgcgcc aaagctgatg 180
 ggtctctaag cttcttggtg gttggagact ggggtagaaa 220

<210> 32570
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893978H1

<400> 32570

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 cgtctctgtt actagcgggtg gtgtttgtgc ttgatctggt tgcttttgct ctgcgtgttg 120
 ctgcagagca gagaaggaat actgcctcgt taaataaaga cagtgcaggt agaaactact 180

gtcaatatga ctcagacatt gcaaccggcc taggtgtggg gt

222

<210> 32571
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700893980H1

<400> 32571

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gaagatagaa gatgttttat tggatcagaa tcttggtgca aaaatcagca gttaccacct 120
gcctttgtta tctaactgga gaaagggtcg gtgtggaaat tcttccagtg gattaagaaa 180
ttctagcaat agtaaaagtg taaagcatga agataaggct gatatatatcg 230

<210> 32572
<211> 215
<212> DNA
<213> Glycine max

<223> Clone ID: 700893981H1

<400> 32572

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actttcaggg attgatgcca tctctatgga catgaaggag aagaaattaa cagtgatagg 120
aacagttgat ccagtgaatg ttgtgagcaa actccgcaag tattggcaga cagacatact 180
ctcagtaggt ccagcaaagg agccccagaa gaaag 215

<210> 32573
<211> 215
<212> DNA
<213> Glycine max

<223> Clone ID: 700893982H1

<400> 32573

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cgaggctgag atcaagcaat tgatgaagac catgactttc aaagccactc caatgccaag 120
tttctacaag gaacctcttc cataagtcga cttgaagacg ataactataa cgagctcaga 180

atctccaaag cttcctatgc acgaacgata tgctg

215

<210> 32574
 <211> 87
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893985H1

<400> 32574

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gtcacttgca gtcgttgtag ttgcgga 87

<210> 32575
 <211> 219
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893986H1

<400> 32575

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aaacaaattt taaaaggact tgcctataac tcaccagttc tgcaagatac ctcccaggac 120

cagatgatat gctagttttg gacattgcat attcaattta caaacaattt gaagaatata 180

caaatgcact ccaaattgca ttgttcattg ataattgcg 219

<210> 32576
 <211> 220
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893987H1

<400> 32576

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cttcttatta tgctcttggg tggacgtagt agtagcccaa gaggtagcaa ttgcaaaatc 120

cgaaagtga gcatagggg aaccggaatt agaaaaaaga gaaacacttg aaatcatcat 180

tggtgggtgg ggtgggtggg gttaccctgc tccttctcct 220

<210> 32577
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893988H1

<400> 32577

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 ttgggctccc aaagagtcca tctggtggaa taaggaaaca gctttcacag ctattgggtg 180
 ctctaagaaa gcttgaaatc tcatattcaa tatcatgggt ta 222

<210> 32578
 <211> 79
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893989H1

<400> 32578

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 aactaagcag ttctgaggt. 79

<210> 32579
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893948H1

<400> 32579

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 actggcattg tatatactga taagcatctt gctatatata aggtggggaa ggtgcttctt 120
 cctatggatt tctttgctgt ggccaaggca ccagcaaagg caccttctct ggcaccagaa 180
 ccttcagcaa aggctcctaa agctgataag gatccattat cccagatac ctca 234

<210> 32580
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893911H1

<400> 32580

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 ttagcattgt ggatttcgc tatgattgga ctgtttacct ggaagttcat cgagtacaag 180
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<212> DNA

<213> Glycine max

<223> Clone ID: 700893912H1

<400> 32581

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 aaagttagga agaattgaggc caagtcatat gagcgcgtat gaattttctc tgatgctggc 180
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<210> 32582

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893913H1

<400> 32582

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 ggccaagatc caggacaagg aaggcatccc tccggaccag cagcgctca tcttcgccgg 180
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<210> 32583

<211> 212

<212> DNA

<213> Glycine max

<400> 32586

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 cagctagaag aagaggggtgt aacagagggg gacatatatc ccaagtacat aaagcgattt 180
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<210> 32587

<211> 225

<212> DNA

<213> Glycine max

<223> Clone ID: 700893920H1

<400> 32587

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 cgatttcctt cgctccaaag atcgggtccat tgggtctctc cccaaagaag atcgggagaag 180
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<210> 32588

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700893921H1

<400> 32588

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 actccttata aagaatattc tcatttcctt ggaccagcag actactcadc tgctggagtg 180
 ggtggttatt gcaagccaat ggggtgcatc tcatccctc caccta 226

<210> 32589

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893922H1

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 cagcaaactc ttgaaatagc agaagcta atgaataagg cggaaggcaa gagacaaaca 180
 attgaggcaa atctagctct tagacgagct aggacacgag tagaggc 227

<210> 32590
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893923H1

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 aggctgcaag atgtaccag acttgagcta caccgagtc accaccaccg agaccttgg 180
 catgggagtg gcaccagtta aggtcaatt cgagagtgc gaaa 224

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<223> Clone ID: 700893925H1

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 gcgacgggag taatcctctg gttctcaccg gttcccgccg gcgtgaaccg caacgcgtgg 180
 caactactcg cgattttcct aggcacaatc gtcggcatta taacgcaac 229

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<223> Clone ID: 700893926H1

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 tgtcgttgcc cttactgagt ctattgctgt tgggcgatcc tttgcatcca tcaaaggata 180
 ccaacttgat ggaaacaagg agatgatgtc aataggtttg acaaac 226

<210> 32593
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 <213> Glycine max

<223> unsure at all n locations
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 aagagcactt tgattggatt ggctctaaca ttctttgctg gactttgctt ctctatgntc 180
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<223> Clone ID: 700893929H1

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 cacgttgaag gcggcttttg ctgagttcat ctcaaccttc atcttcgtgt tcgccggctc 180
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<210> 32595
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<223> Clone ID: 700893930H1

<400> 32595

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catccagctt ctgaacatca ttatgataac aatgattgga gtaagaaagg ccaggagata 120
atgcgtgata aatcttctgg aaagggcaat gaatttctctg ctcaaaagtc atcaatgaac 180
aaagaaactt tttccaggga gaagcctcaa gaatcttatg ctgtagatat ta 232

<210> 32596

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<212> DNA

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<223> Clone ID: 700893933H1

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gccgcggaaa acggctccgc tcccgcgcgc ggcaacggaa aatcccactc catcaacggc 120
gcggaggcgg cgccggagcc cgacgcgtcg aagcggcgca gatcgtcggg gctcccgttg 180
gaggtgggta cgcgcgtcat gtgccgttgg agggacaaca a 221

<210> 32597

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700893934H1

<400> 32597

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ttggtggatc tggatggac ctcaagaagca aagccaggac tcttctctggg ccagtgagtg 120
accctgcaaa gcttccaaag tggaactacg atggctctag cacagaccaa gctccagggg 180
atgacagtga agtcaccta taccacaag ctattttcaa 220

<210> 32598

<211> 221

<212> DNA

<213> Glycine max

[illegible]

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tgcttcgatg	ccttcaatca	tgtcacctca	gtggcaagat	aaggctgctg	gtttcttttc	180
ttcctccggg	gtgaagctta	aagaagccaa	ggaatcagca	g		221

<223> Clone ID: 700893938H1

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gtctgtggca ttcaacaaca tcaccaggtt ggcatttggg aaaagatttg tgaactcaga   180
aggtgttatg gatgagcaag gagtagaatt caaggccatt gtgga                225
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<223> Clone ID: 700893939H1

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atgaacaaca acaacaacag caacccccat ggaccctctt cctccggggc agtacccctct    180
ttcccaggcc cacgggctca cactcaacc gaacgcaaaa cgtttc          226
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13341

<223> Clone ID: 700893940H1

<400> 32601

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aggagaacat tagtcttact gtaatcatatc tatcccttgg aattttgccg taccatatca 120
gtcttaacac aatgttcaag ttcctagaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
cggacgcagc acgatgagat cccaagtgca ccct 214

<210> 32602

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893941H1

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gtaccttgat gagatgacca ttttccactt gaacccttca ggccgttttg tcattgggtg 120
ccctcatggc gatgctggtc tcaccggccg caagatcatt atcgatactt atggaggatg 180
gggtgctcat ggtggtggtg ctttctccgg gaaggacctt acca 224

<210> 32603

<211> 212

<212> DNA

<213> Glycine max

<223> Clone ID: 700893944H1

<400> 32603

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tttgtacaac ccctaggaag agaagcagaa ggttcaaaat ccaatccatt tttcatttcg 120
aaagatcgtg atcgcaatgt ccctctccac cgtgaagcag cggcgctcgg agccgtctga 180
tccgtcgcca tcagatccgt acacgaagct gg 212

<210> 32604

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700893945H1

<400> 32604

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ctcacctgaa aatgtcttgc tgcgttggtg actgtgggtg cggaagctcc tgcaagtgcg 120
gcaacggctg cggaggctgc aagatgtacc cagacttgag ctacactgag tcaaccacca 180
ccgagacctt ggtcatggga gtggcactgt taaggctcaa ttt 223

<210> 32605

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700893946H1

<400> 32605

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gggcaggacg ccaagaatct gagggcgaag cttgttctct taggtgattc tgggtgttggt 180
aaaagctgta ttgttctacg atttgttcgt ggtcagtttg atccaacat 229

<210> 32606

<211> 230

<212> DNA

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<223> Clone ID: 700893947H1

<400> 32606

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atacacttgt gcaatttggc cactatgaac acagggttg ctgcaggtgc agccttgctt 180
gcactcttgg ctatcacctt ctcttgttg agccctcaaa cctgttttc 230

<210> 32607

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893909H1

<400> 32607

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tctccaaagg gtgtgaactt tgaagtgcaa gctttaatgg gcataaaaagc ttctcttggtg 180
gatcctcatg gtattctaga taattgggat ggggatgcag ttgatccatg 230

<210> 32608

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893874H1

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aaaacctttt gcaactaagc gtgtttttat acctttcaat agagtgatct gtcttttgac 180
tatgtaaacc cacttgctac caattgggat cacagccgca cgtttttcta tgatca 236

<210> 32609

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893875H1

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atggaaatac aagcctacag attggaattg aggccacaac cacaatagaa cactcattgc 180
cgagttgctg ctgctgattt taagctgaac cagcagggat tcttgattg att 233

<210> 32610

<211> 235

<212> DNA

<213> Glycine max

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agaacgtgtc	aagatattgg	aaaatgtggg	ccatttgcca	ctgtgcttac	atcactgcat	180
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<213> Glycine max

<223> Clone ID: 700893877H1

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tcttggcctg ttgcattagg ccgaagagat gcaacaaaag ccaatcggat ggaagctaata	120
caacaaattc cttcaccggt cgaactgctn agataacatc attgcaaagt ttacttcaaaa	180
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<213> Glycine max

<400> 32612

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cagcccttga	ccgtctagca	tctctgcata	ttgattaccc	aatgttggtt	gaactccgta	180
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<213> Glycine max

<223> Clone ID: 700893879H1

<400> 32613

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 gggtcagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca tggtagcgcc 180
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<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893881H1

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 ggcgaccttg tcggagattt tgttgtttat ttttcacacc acttgtagaa cttctcaaga 180
 aaaagaaaaa ggatgtttct tgttgattgg ttctatggaa ttttggcgac c 231

<210> 32615

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700893883H1

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 ctatggaagc aaattgaaca cctcagatgt tggcatgtct tgtaatggga caggcacctt 180
 tttgtgcaga gtagtgaagg gcaccagaga atgacattgg gaagaact 228

<210> 32616

<211> 231

<212> DNA

<213> Glycine max

[illegible]

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tcatctccca atcccacagc taagcttgga tttggtggca cccaattagg gggtcaacca 180
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<223> Clone ID: 700893886H1

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<223> Clone ID: 700893887H1

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aatcgaacga gttaagttgc tcattcaaaa ccaggatgaa atgatcaaga gtggtcgggt 180
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<223> Clone ID: 700893888H1

13347

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<223> Clone ID: 700893889H1

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<210> 32621
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<223> Clone ID: 700893890H1

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<223> Clone ID: 700893891H1

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gcagtttgag agattgcgaa ggcgtgcagc agcagctact cctcgccctg ctatggatat 180
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<223> Clone ID: 700893892H1

<400> 32623

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<210> 32624
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<212> DNA
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<223> Clone ID: 700893893H1

<400> 32624

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attggagcat ttgtggctga tgcctatctt ggaagatata ttaccatcct ttgtttttcc 180
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<223> Clone ID: 700893895H1

<400> 32625

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 gtgatggact tggagctgag attggtggca cttttgttct tgtctacacc gttttctctg 180
 ccactgatgc caagagaaac gctagagact cacacgttcc tattttggct ccac 234

<210> 32626
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 <212> DNA
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<223> Clone ID: 700893896H1

<400> 32626

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<223> Clone ID: 700893901H1

<400> 32627

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 ttcatctctt gtcccacaat aatgttcttc gtcttctaata atcaaatttt tttaagtcct 180
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<210> 32628
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 <212> DNA
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<223> Clone ID: 700893902H1

<400> 32628

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<223> Clone ID: 700893903H1

<400> 32629

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atcacaggaa aaccaggagg ctgagatcaa gcaattgagg aagaccatga ctttcaaagc 120
cactccaatg ccaagtttct acaaggaacc tcctccaaaa gttgaattga agacgataac 180
tataacgcgc tcagaatctc caaagcttgg taggcacgca cgatctgctg 220

<210> 32630
<211> 226
<212> DNA
<213> Glycine max

<223> Clone ID: 700893904H1

<400> 32630

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gtacgacgtg agttcaatgc taacaagatc agagaggaag tgtatgataa gtcaattaag 120
gaggaaattc gcaaagttgt tgaacttcaa gaagagcttg atattgatgt tcttgttcat 180
ggagaaccag agagaaatga tatggttgag tacttcgggtg agcaat 226

<210> 32631
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700893905H1

<400> 32631

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 tacagcaagc aaagaacaac aaagtgaaat gatgaacgga gacgaggaca atcatggaag 120
 cgaagatgac aactccaaag agtggttgaa cctgagcata ggtggaacta ctactttact 180
 ctcaacagct gtaccaccag ccactgccaa agttttttca tgcaacttc 229

<210> 32632
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893906H1

<400> 32632

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 cactctgccg ccacccgcgg cgctccac ctctccgcc gtggctacgc ctccgagccg 120
 gtgccggagc gcaaggtggc cgttctaggt gccgccggcg ggatcgggca acccctctcc 180
 cttctcatga agctcaacc cctcgtttcc agcctctccc tct 223

<210> 32633
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893907H1

<400> 32633

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 aagctttttt tggtgaggtg aaagtgaaat ggttggaag gataatctga gggctgagga 120
 cttgaacttg tgctttaaga agcttatgat ggtggccggg aatggggaca atgagaaagg 180
 gtgaacttga aggttggggg gatcaccgag tggaaggata ttcctgtggg 230

<210> 32634
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893908H1

<400> 32634

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 aactaatgtg gaagattcac caggaagaat tcctgatgct gaaaatgaag cagagttgtc 120
 atttgctgtt gtaaattgatt cttttgatgt tcagagggta caatctggca atgatatcgt 180
 cgaggttgaa gctgaccatg aaccttcagt tgaaaacctg aacaatgttg ac 232

<210> 32635
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893873H1

<400> 32635

gttgttttgt gtgtgcaatc ctcattacca ttgccgccgc caccaccacc gcctatcacc 60
 ctctcatcca ccaactgata cccgtaactt cttcaccttc ctctccttcc ccaatttaaa 120
 actaaataaa aaaactgtcc actaagggtg aggcacgtca ccatctcgtc cttcccctcg 180
 ctcactctcaa atccatgggt cggaattagg gtttccattt ggatttcgca attct 235

<210> 32636
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893837H1

<400> 32636

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 ctgcagaatg ttctcactct ttccatttcc attgcatcac ttctaattgtg aaacatggga 120
 accagatttg ccctgtctgc agagcaaaat ggaaagaagt tccttttcag agtcctgctt 180
 caaatatgcc ctatgatcga ctcaaccaag tatctcctcg ggaagaaggc tgggcgactg 240
 t 241

<210> 32637
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893838H1

<400> 32637

cgggtgacta gtgcgtaccc tagcaggaag tggattacaa gtattctggt atcgttattc 60
 ctctttcttct tcttattgct ccaccctgcc tgggtggaccc aaacgaagaa gacgttcggt 120
 tttccctctg cttttcgaac tttccatcga ctccaccatg ctattcaatt aggggttagga 180
 attagggctt cttcttggtt cgctccggtta atttcaacaa cggccaagcc gggtgttt 238

<210> 32638

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700893840H1

<400> 32638

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 tgggtgaagac tgaaaaggat aggggaagagg ctatggatcc tgggagtatt ggtttcaaca 120
 ctggagaacc tcgaatacaa ttgtactttt tgctgggtct agtctatgct tcagttacac 180
 ctactgttct tcctttcata atagttttct ttgggctcgc ctatgttgtg ttccgtc 237

<210> 32639

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700893841H1

<400> 32639

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 gctgatgtgt gacttgctct ggagtgatcc acaacctctc cctagcacgg gaccaagcaa 120
 gcgtagtgta agcctttctt ttcgtgcagc tgttacaaaa aggtttttgc aggtaaataa 180
 tttagctttc gttgtgcgct ctcatgaagt aaaggccgag gggtatgaga ttgaacatg 239

<210> 32640

<211> 129

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893843H1

<400> 32640

cggctcgaga gttaagttac tttctcggtc gttccctctc aaccaaaacc gacnacttca 60
tggtatcatt gctatgaccc ttcaagcttt tcatggctct gcatgttggt tccgttccca 120
ccttcttca 129

<210> 32641

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 700893844H1

<400> 32641

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gttgggaaaa acaattggag agggaagctt tgccaagggtg aagttcgcca ggaacgtcca 120
gaacgataac tatgtcgcca tcaaaatcct cgaccgtaaa catgtcctcc gcctcaacat 180
g 181

<210> 32642

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: 700893845H1

<400> 32642

aagaaatgga ggcaaatcgt gacttatgtg aagcatcgat tacattggat aggtcacagg 60
cattgatgat cccggtgatg agctctttta gcttgctttt gatgttctac ttgttctcat 120
ctgtctcgca gcttctcact g 141

<210> 32643

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700893846H1

<400> 32643

aaatgattgg atttactaat taatcgacaa cggtgggaaa aaaggttgat atttacatgg 60
 ccatactact acaacagaga atattaaata agaaacgttg tcgattaatt agtaaattgat 120
 tggattt 127

<210> 32647
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893851H1

<400> 32647

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 tcaagagact tattggaaga aagtttgaag ataaggaagt tcaaagagat atgaagcttg 120
 ttccttataa gattgttaac aaggatggaa aacctggcat acaggtgaaa attaaggatg 180
 gtgagaccaa ggtgttcagc cctgaggaaa tcagtgccat gattctgact aagatga 237

<210> 32648
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893853H1

<400> 32648

ggacaagtat gttgatcttc ttatacagga tcgcttcgta acatccatat ctgagcaggt 60
 atcacatttt gcgcaaaggt ttgcagatg ttctttcaaa ctcaaagctc cagcagtact 120
 tcttccaaag tttagacctt gaagatcttg attggatgct gcatgggagt gaagatacca 180
 tttctgttga agattggaaa gcgcacactg agtataatgg ctatagagtg acaga 235

<210> 32649
 <211> 187
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893855H1

<400> 32649

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cttcctctat gggtgcttga tgagatacag aaagatatag agttagcgta ttgtgacagg 120
 tttggaagaa gaaatattga atacatttcc cttggatgtg atattcttcc tgtgctacat 180
 gggcggtt 187

<210> 32650
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893856H1

<400> 32650

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 aatcttgatc tagatatcta gatacagaat tggaaatgga ttcaaattggg agcctacgtg 120
 ctaacacctg ggcaaggctg tcgtccttga cctctcctgc aagtgggttta tcctcagatc 180
 ctctttcttt cccaggtttt ggtttgcagc ataa 214

<210> 32651
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893857H1

<400> 32651

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 aaagactcaa agccaaagga gtccggaggc aagggaaagg ggaaacaggc tgcaagtgga 120
 agtgatgaga atgcttctaa gggaaaagga aaaggtggga aaggtggaga tgggcttggt 180
 acttgcacct atgtcaaagc taggcatatc ctatgtgaga aacaaggtaa gatc 234

<210> 32652
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893858H1

<400> 32652

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atatattcat agagtgttta cttcctattg cttttagctc attgccgcca catgtcttaa 120
atccacttaa tgaaataagt catttcttca aagatttggtg ttctacatct ttgatgaagg 180
atgacttgag tagaatggaa caaaatattc atttattttg tgcaatttgg cggaata 238

<210> 32653
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700893859H1

<400> 32653

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ctctttctca accaccccct cctttccctc tcaaccaacc ctgaagggaa cgctctgcat 120
gctttgagaa gcaggctttc tgatcccaac aatatgttgc agagtggga cccaacactg 180
gttaatccct gtacttggtt tcatgttacc tgtgactcca acaatcatgt gattoct 238

<210> 32654
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700893860H1

<400> 32654

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cctcttctgc atctcacgtg aagaagaaca acaacggcaa gaactacaag ttcgcttaca 120
tctgggtcgg aaactccgaa acccaatgcc cggggcaatg cgcttgcca ttccaccaac 180
ccatttatgg gccccagagc ccacccttgg ttgctcccaa caacgatgtg ggacttga 238

<210> 32655
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700893861H1

<400> 32655

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ggctgcacaa gctcttgtat catcatcttc tcttaccttc tcagcggagg ctgcaagaca 120
 aagtcttggc ccaagatcac tccaatctcc atttggcttc tccagaaaag cctcctttct 180
 tgттаaggca gctgctaccc cccctgtcaa gcaaggatca gacagacctt tgtggtttgc 240

<210> 32656
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893863H1

<400> 32656

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 tagttttcat tgttatggtc tccgtagtta acaaatttta tcagcatgtt acattattac 120
 tccattctac gttaggttgt tgacgaattg agttattctg tcatcagttg aaattgagtt 180
 gagagaatat ccaaatcggt tggcaatctg gtggaggagg gggatatcaag gtaggaaaat 240
 t 241

<210> 32657
 <211> 186
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893864H1

<400> 32657

ggtcaatcta agaataccca gaaaagagtt gcttaggttc tcccaccaa tcccagcttt 60
 caaactgaca gacgagcatg gcaatcttaa gggcttctag gaacttgatc caggtgcact 120
 accaatgcat tattatggct tgacatgacc ggccatgggt gactgaatag cccaatgttt 180
 tttttt 186

<210> 32658
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893865H1

<400> 32658

gaagatttat gcaaataata agatgctaac gaagggttaag gcacttgtca agctaattggc 60
 tgatagtggg gtgaggatag gccattaac atgggatgca cttgtgaaac tgtatatcca 120
 agctggggaa gttgagaagg cagactctat ttgcataag gcaatccaac agaatacagct 180
 gcagccaatg ttaccacct atttggttat tttagagcag tatgcaaaga ggggtg 236

<210> 32659
 <211> 140
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893867H1

<400> 32659

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 ttgatgtcaa aggttgagaa tcaggaggga gtcctgaatt ttgacgaaat cctgcgggag 120
 actgatgcat tcatggtggc 140

<210> 32660
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893868H1

<400> 32660

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 tcaaatgaat gagccccctg gtgcccgtgc ccgtgttggt cttactgggc ttactgtggc 120
 tgaacacttc cgtgatgctg aagggaaga tgtgcttctt ttcgtagaca acattttccg 180
 ttttaccxaa gctaactcag aggtgtctgc ttgcttggt cgtatcccat ctg 233

<210> 32661
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893869H1

<400> 32661

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acacgaagta gaaacacgaa actcagaatc catggcgaca ccagcgacga cgaagcgaaa 120
 accggtgttc gtgaaggtgg atcagttaaa acctggcacc aacggccaca cactgacggt 180
 gaaggtggtc agttccaagc cgggtgaagac ggtgagcacc gcggcggtcg acc 233

<210> 32662
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893870H1

<400> 32662

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 ttgagtcaga agaagcatct tcagagcaca aatcagaaac tcaaacaatca aagaaaagga 180
 aaatggttga gaaaacagtt gtggcagtga gggtaggaga gaaggttggc aa 232

<210> 32663
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893871H1

<400> 32663

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 tgcacaaaaa tacatacata gctatggaca ataatactag tgcctgtgcc taccaccaac 120
 ttgagtcaga agaagcatct tcagagcaca aatcagaaac tcaaacaatca aagaaaagga 180
 aaatggttga gaaaacagtt gtggcagtga gggtaggaga gaaggttggc aagct 235

<210> 32664
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893836H1

<400> 32664

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tgtgtttggg gcaatggtgg tacacctgct actaagggtt ggatgttttt ctctggcca 120
 agttgatgcc attcctggaa tcattttttt gttctttgta ggtcttctca ttgcccatt 180
 tgacattttt tatcgcccta ctcgtttttg cttcatccgg gttattcgta acatagt 237

<210> 32665
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893803H1

<400> 32665

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 cattcacaag attggggaga cccttcatgt gggagggcac aagaaggagg aggagcataa 120
 gggtgagcac catgctggag aatacaaagg ggagcaccat ggtgaacaca gtagtgagta 180
 caaaggagag catcatggtg aacacaaagc tggagagtac catggtgagc acaagccaga 240

<210> 32666
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893804H1

<400> 32666

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 catgccacac ttttcaagtc ccaacgcatt caactaggat tttcaaggct gtatatacat 120
 aaattcagct actgaggtcg tgtgctagaa gcaaaatcaa gaacaatttg atctttgttc 180
 aatttggtgg atcattgggc tgttgatgtg attgtgaagc ataagaagct tttgttaaaa 240
 at 242

<210> 32667
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893805H1

<400> 32667

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 cgcaagcaga tgcagaagta atatgcacct cactgttgtc gtgaccataa cgaattaaga 180
 tgttttctgc aacctcta atcttgcatt atcctttgta tctctagaat gtgagcatca 240
 tagt 244

<210> 32668
 <211> 133
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893807H1

<400> 32668

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 ttcgacaata tttgctgaca ttgaaggccc agctggaact ccttatgaga atggagtttt 120
 ccgaatgaag ctg 133

<210> 32669
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893808H1

<400> 32669

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 aattctccct tctggactac aaattctggt gctctgtttt ggaacaacaa ctctctttta 120
 accgttggag ctagaggtcc aattctgctt gaggattatc atcttgtgga gaagcttgca 180
 aactttgaca gggcacgtat ccagaaacgt gttgtccatg ccagggggagc tagtgc 236

<210> 32670
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893810H1

<400> 32670

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 agttaccttc tgagattaca ggggcctctc caccagttt gtgttgactt tgcagggcca 120
 gctggtgaga cagacaatgc tttggaaaat gctgaaaatg gtgttgatcc tgttgatgact 180
 caaaagatgt caactagaga tcaggccact tctggtgaac acatgcctgt tggctcttcc 240
 tctt 244

<210> 32671
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893811H1
 <400> 32671

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 cacggatagg catgctggga acttgttggt taggaaactt gatggcatcg ggagttttgg 180
 tcaggtggag ttgattccca ttgatcacgg gctctgcctg cctgaaactt tggaggat 238

<210> 32672
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893812H1
 <400> 32672

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 tgtggagaag cttggtgagc ctgccagggt ctatgaagat ttcactgcca gccttcctgc 120
 tgacgagtgc cgttatgctg tttatgattt tgagtatctg actgaaggga atgtccctaa 180
 aagcagaatt tttttcattg cgtgggtccc tgacacatca aggggtgagga gcaagatgat 240
 ttat 244

<210> 32673
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893813H1

<400> 32673

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 aaactcaatt acacgatgac cccaacgtgg cactcttctt cttggaaaag gacttgcatt 120
 ctggaacaaa gttggacttg cacttcacca ggagtacatc taatcaagcc acgttcttgt 180
 cagccaagt tgcggattcg ataccctttt catccaacaa ggtggacttt atattcaaca 240
 agtttt 246

<210> 32674

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700893814H1

<400> 32674

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 gaaggcgttt gtgtccaaac tgaaactgtg ctaagacaag cccttggaga aaggattagg 120
 cctgttctga ctgtcaataa gatggacagg tgcttccttg aactaccaag ttgatggaga 180
 ggaggcttac cagacattcc agaaggttat tgagaatgct aatgttatca tggctacata 240
 tgaa 244

<210> 32675

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 700893816H1

<400> 32675

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 tagccaagga tcaataagga tagagtgaaa attttgtgta tcataaatga gtgttatcat 120
 atttgtaaat gttctcaagg acatctgttt tggttggaac tgcccaaaaa ttgcagtttt 180
 atctattcac tgggtat 197

<210> 32676

<211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893817H1

<400> 32676

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 cacagttggt caagtcata aatgcaaagc tgcggtttca tgggaggcag ggaagccact 120
 tgtgattgaa gaagtagagg tggcaccacc acaagctggt gaagtgcgtt tgaagatcct 180
 ctacacctct ctttgccaca ctgatgttta cttctgggaa gccaaaggcc aaactccatt 240
 gtttcctcgt 250

<210> 32677
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893818H1

<400> 32677

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 cgcacaacat tcgtcattca ccgccttgtc ttgtcttctt ctgtctccga atcacggaat 120
 ctctctgaat cgcgggatta agagaggaat atgcaacaga ggctaaagtt gcagcaacaa 180
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 gcc 243

<210> 32678
 <211> 141
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893819H1

<400> 32678

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 tcatgttggt tgggggccat tcccagcaca aggccacgtg aaccctttta tgcaactaag 120
 caaactcctt ctttgaccg g 141

<210> 32679
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893820H1

<400> 32679

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 gagaaagagg aagaaccagt atcgcggaat ccgccagcgt ccatggggaa agtgggctgc 180
 tgagattcgc gacccaagaa aggggggttcg cgttttggct tggaactttc agcactgctg 240
 aa 242

<210> 32680
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893821H1

<400> 32680

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 atgaggggct agggaaggga ggtgtcttaa tttgataaaa aaaataactg tgttcaacaa 180
 ccaactgtgat gtttttatca tgatgcaaac gcatgaacag gatgttatTT gtgtcattg 239

<210> 32681
 <211> 139
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893822H1

<400> 32681

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 ttagtttagt gtacaaaggt gtgaaaactg aaaagggttc ttttctttcc tttaaaaatt 120
 tataacttct ctcttctgc 139

<210> 32682
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893823H1

<400> 32682

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 ccgcagccct ttgcccacac tgaagcttta cctgtgggaa tattacctga gagaaagaag 180
 cacaacaag tatctacggt agttctttcc cttggcatag taggggggac tcttggagg 239

<210> 32683
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893824H1

<400> 32683

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 ctacctcagt gtttcgcatg tggttttgtg ttctcagcaa aaaccaaagt cgcttcctct 180
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 cc 242

<210> 32684
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893825H1

<400> 32684

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 tcgaacttag tcaatgagct agaatgggtt ataaagatat ctatagatat atatagatat 180

atttatctat agatatcttt agaaaaaaaa aaagacaata accaaataag acgtatcatt 240
t 241

<210> 32685
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700893826H1

<400> 32685

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gagtttcgga ctttgggctt gcaaaattgg cattagattc aaatacacat gtaactacac 120
gtgtaatggg aacctttggg tacatggcac cagaatatgc gacaagtggg aaacttactg 180
aaaaatctga tgtatattct tttgggggtt tgctgttgga actaattaca ggtcggaagc 240

<210> 32686
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700893827H1

<400> 32686

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ctcatacttt aggttcacat agcttcctct tgtacagatc ttccatgggt gtactctatg 180
ttctttcttt ctggtgttgt gttttttttt ttgcaaccat agaaagtgcc agtatatgat 240

<210> 32687
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700893828H1

<400> 32687

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acgcggagcc tcgctcactc actctogaat gcgaagcctc cctcatgaac ttactctct 120

gctgtataaa cattctagtt atggaagatt ctgatcaacc agtcaaattct gctgaaaacc 180
 agcaaactga acaagtgtgt agtttttaca gaaagccagt taatcacaag actataaggt 240
 tac 243

<210> 32688
 <211> 161
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893829H1

<400> 32688

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 gccttctatg tggttgcttg caggttatca tatcgaagtt a 161

<210> 32689
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893830H1

<400> 32689

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 agacttgagc tacaccgagt caaccaccac cgagaccttg gtcatgggag tggcaccagt 180
 taaggctcaa ttcgagagtg ctgaaatggg tgttcccgtg gagaacgatg gctgcaaattg 240
 tggag 245

<210> 32690
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893802H1

<400> 32690

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actcctttat ggattttggg cccacttatt gtggctaccc aaatcttggc aatccgttgg 120
 ctatgtgcac tctatgtttt cagcttcaat cagactgtca aattactcaa gaattctcct 180
 tattactgca ttttggccta cagctatgtt tttcgtggca agctcaaaga ggatatctca 240
 acttatgttt tgcagcctat attgcgcgtt a 271

<210> 32691
 <211> 69
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893833H1

<400> 32691

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 agtgagaat 69

<210> 32692
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893835H1

<400> 32692

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 acagcctggc ccagttttga catgggcaca aagagtaaaa attgccgtag gggcggcaag 120
 aggacttgaa tacttgcatt agaaggctga tccacacatt atccaccggg acatcaagtc 180
 aagcaatgtg ctaatctttg atgatgatgt tgctaaaatt gcagattttg atttatc 237

<210> 32693
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893763H1

<400> 32693

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cctaattccca gtcaccaaag acgcttcaac tctccaatac ataacaacac ttcatatgg 180
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<210> 32694
 <211> 223
 <212> DNA
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<223> Clone ID: 700893764H1

<400> 32694

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 actcgcgcca agaccgagga attcgacctc gaatcaggag aaacctctta cccagggctg 120
 agcgctggcg agaaccagct ccgatggggg ttcatccgca aggtctacgg catcctctcc 180
 gcgcagatcg tctcaccac cctcgtctcc gtcaccaccg ttt 223

<210> 32695
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893765H1

<400> 32695

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 cttccatttt ttaggattaa gcggtgagat tctggaatct gagaaatgtc ggattcttct 120
 cgggaggaga ctgtttacat ggcgaaattg gcggagatgc cgagcggttac gcggagatgg 180
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<210> 32696
 <211> 234
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700893766H1

<400> 32696

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 accatggctg aaatcgaaac taccgttcca gatccaccc aaatcgacgt caaactcttc 120

aatcggcgga gcttcgagga tgttgagggtt aatgatatgt ctctggctga ttacattgga 180
gtgtcccat caaagcatgc tacatatgtt cctcacactg ctggtaggta ctca 234

<210> 32697
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700893767H1

<400> 32697

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atgggtgattc acagactcga attgtgcata aacatgggtc aactcgccat agagttcgtc 120
gtgagcgctcg cggaacagt ggtcatagtt cagcagagaa ccgtggagcc tctcggaatg 180
ttgaatcgcg caagtacacc tcttcctttc tatggctacc tccgttgaat g 231

<210> 32698
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700893770H1

<400> 32698

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ttgggtgggt tgatagtact gtgcaagctt tggaacttct tcacaagctg ctacttcaat 120
ggccactgaa gaggttaaca aacctcaatc gcttcctcca taccctgaga tgatagttaa 180
agcacttgaa gccttgaatg aggtgatgg atcgaataaa tcagcgata 229

<210> 32699
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700893771H1

<400> 32699

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cttgccgacc ttgaaaacct aaactatgat gacttggaca gtgtttccaa gttgcagaaa 120

accagaggt acactgatgt tatccagaaa gtggaagagg cacttaataa aaaggaggct 180
 gaggtcttgt tgcatttagt ggatatagac agatgacct gaatacaca 229

<210> 32700
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893772H1

<400> 32700

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 gctgattggg gcccggtggt gatcgagtg gtgctgttcg tgctgtgaag cccgggggtt 120
 ctgtttcaga tgccagccag gggaagggtg gcagagtttg ggaacatgca aaccagtggg 180
 gcctccattt tggttcac 198

<210> 32701
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893774H1

<400> 32701

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 ttacctcag agtcggtgaa cgaggagac cctgacaagc tctgagacca aatctccgat 180
 gctgtctctg acgcttgctt cgagcaggac ccagacagca aagttg 226

<210> 32702
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893775H1

<400> 32702

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agttcagcat ttgccaaaac tgctagtcct ccctctctga gcccaactcc agcaccagcc 180
 ccggcaccag acttcgtgaa cctcactgag ttactcagtg ttgctggt 228

<210> 32703
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893776H1

<400> 32703

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 cattgggtgtg aagcgtggcc gcaacctcgc cgcgcaggaa ctatgggtctg agcttgaccc 180
 tttctctgac ttccttggct tcgataccac caattccaaa aaccaac 227

<210> 32704
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893777H1

<400> 32704

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 tgaactatca tcttctccca ttgcagctgc atctcttggga caggtataca agggtcgcct 180
 aatggaaaat ggggatttgg tagctgttaa agtgcaaaga cctttc 226

<210> 32705
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893779H1

<400> 32705

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 caatggcaac tgcgaggacc gtgaaggatg tttcgcttca cgatttcgtg aaggcttatg 120

cttccacct caagcgttcc ggcaagatgg agcttcctga gtggaccgat attgtaaaaa 180
 cagcaaaatt taaggagttg gctccatatg atcctgactg gtactac 227

<210> 32706
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893780H1

<400> 32706

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 tcgagcctct tcacgcttcc ctcagctggg tccccctcaa agggtagttt cactccacac 120
 aacgctcgca aactgaacg catccccatc cacagccacg cctacaccat atgccccggc 180
 accgcctccg tccgcttcc ctcgcccg cgtttcgaag gcggcgga 228

<210> 32707
 <211> 227
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700893782H1

<400> 32707

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 ccgcgctcgc gcgagatcga cttcgagata tcgccgcggt gggacgagca gcagaacaaa 120
 gaatanaagg ccaagttcat gtgcagctac ggcggcaaga tccagccccg caccacgac 180
 aatcagctct cctacgtcgg cggcgacacc aagatcctcg ccgtcga 227

<210> 32708
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893785H1

<400> 32708

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gttgatgggg ggtaacaatt ctaaggagga taataacaat tggaggcaga attcatctgt 120
 gcgttcaagt tcctctgcgt cttcttgggg ttcataatcct gacccccaat cagggttatgg 180
 tcacgggggt tacgcgtatg agccacaaca gccttcttat cctac 225

<210> 32709
 <211> 219
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893786H1

<400> 32709

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 ccataaatga agaaactgct aaggagcccc aaggtcgata ctttatgcga ccatctggca 180
 ctgaagatgt tgtacgtgtg tatgctaagg catccacac 219

<210> 32710
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893787H1

<400> 32710

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 gccacgaga aagagttgga tgtgtcaagt gctgatgcag ttgcaagtac acttcaggta 180
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<210> 32711
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893788H1

<400> 32711

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 ctatgtccat ggatagttct tccaattcag tgatggagga tgaatttgag tcaacaacct 180
 tgcattcagc cccatcattt gcactatcac acaaccttca tggagatga 229

<210> 32712
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893790H1
 <400> 32712

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 ttgttgctat ttactaaacc atgagtggat catgtatttg ttagcttaat tgaatgcac 180
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<210> 32713
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893791H1
 <400> 32713

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 tgagtaattt ttgcagagaa gtacactatg agcaggccag gagactggaa ttgcagggtca 120
 tgccagcacc tgaacttgca gagaagagat tcatgccagc gatgtgggga cgcaaaatat 180
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 gg 242

<210> 32714
 <211> 221
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893792H1
 <400> 32714

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 agccatttac tgacatgcaa ttagcaaaga gtgtcagctc aggaagtttg agtcaatgg 120
 actggatgcg tggagctgca atgaagcctg ctttcattga tatctctgca atagatttca 180
 atgcagatta tggcatgchg agatcattta gtgaaggaga t 221

<210> 32715
 <211> 223
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893793H1
 <400> 32715

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 gcggcttact tcgtcggcag atctgagatt ctttcttga tcaactcaac tctgcaactc 120
 aatctctcca aagtcgaaga ggcatgttcc ggcgcggttc actgccagct tctcgatgcc 180
 gctcatccag ggatcgtgcc tatgcacaag gtcaatttcg acg 223

<210> 32716
 <211> 223
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893794H1
 <400> 32716

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 acctcgcagt tacagaaaac atggcgactg tggtgccaac ctccgaagaa gacgctgcac 120
 tctcgcgtgt tcgattcgcc tctgaacttg cctggggccga tgccgggtccc gaggttgctg 180
 agccccaagt tagcagactc tgcgtggagg ctgaagaatt cat 223

<210> 32717
 <211> 226
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893795H1
 <400> 32717

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 tgtttgtcac cgcagtttca atctcagatc caacattggt cagtccaaat tcaacgcatt 120
 ccatggcaaa tcttgcaccc gcgagattct ccgttcttat tcttctcggt tctttgctag 180
 tcaacatcgc cgccaccgcc gccaccgccg ccgaatcgcc agctcc 226

<210> 32718
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893796H1

<400> 32718

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 gagtatgagg aaaaatgtcg gttctcattc aggaaggatg tttagtata ggaagtggat 120
 tctccctttt ttgcaagtt tgattatata tatgagtcta gttctgacag ccattcttgg 180
 attacttagt tctgatggcg ggggagaaca gtcaccgttt gaaatca 227

<210> 32719
 <211> 56
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893801H1

<400> 32719

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<210> 32720
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893762H1

<400> 32720

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 aatgactgag gcagggccta tgctaacaat gtctttagct tttgctaaag aaccgataga 120
 cgtgaaacca ggtgcatgtg gaaccgttgt aagacatgca gagatgaaga ttgtcgatcc 180

tgaaaccggt cattctttac ccagaaacca atccggtgaa atttgcata

229

<210> 32721
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700893723H1

<400> 32721

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agacaggaaa aaacttgaca gatgtatttt atgggaaggt tctcaactgc cttgatattg 180

gtggggaagg ttctgctctg atagctgctg ggggttctga cctgtcatt aggattt 237

<210> 32722
<211> 111
<212> DNA
<213> Glycine max

<223> Clone ID: 700893724H1

<400> 32722

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tcgcaagtgc gatcgaagaa gaacgatggc gatggctgct gctctgcgc g 111

<210> 32723
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<212> DNA
<213> Glycine max

<223> Clone ID: 700893727H1

<400> 32723

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cacggagttt gagttctcca atttgtgatg tataccttct aatttggttg tatagttttt 120

ctttttagtt tatatgatgt gaagtccatg ttgtaacatt attatagaat gtatggaata 180

gatttgatca tttattgtgt gtatcaaata gatgaagatg ttatattatc ctac 234

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<223> Clone ID: 700893728H1

<400> 32724

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 ctctgtgact caacagctgt gcttgattca gtggtgcttc ttttgggtgg aagcatctca 180
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<223> Clone ID: 700893729H1

<400> 32725

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 tccaagatc aggatttacg atgttggtat gaagaagaag ggtgttgatg agtttccttt 180
 ctgtgtccat ctggttagtt gggagaagga aaacgtttct agtgaggccc tgga 234

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893730H1

<400> 32726

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 gatgtagtag tttagattgt tagtcctatg ttgttacagg tataatttca agtctttgta 180
 cagctggagc attaccaga gagaaagcat gcatagatga agtggtaaaa 230

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 <213> Glycine max

<223> Clone ID: 700893732H1

<400> 32727

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 acttgagcag cacattaagc atctcctatg tccatccaca ccatttttct tccacaccct 180
 ttatgatcct tacagagctg gtgctgattt tgtccgtgga taccctttta gtcttcg 237

<210> 32728
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 <212> DNA
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<223> Clone ID: 700893733H1

<400> 32728

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 aaacctcctg ttgttcggtt tcacctcct gttaaacctc cggttggtcc gggtcacccc 180
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<210> 32729
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<223> Clone ID: 700893734H1

<400> 32729

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 cagctccata gtgtcgccgc cggacgagct cgtggccgcc ggcagccgta ctccgtcgcc 120
 gaagatgacg gcggcgccgc tgcggaagcg gttcgaggag aagaaccct cgcgcgtatc 180
 ggtggaggtc ggagagcata tccagctcgc ttataccac cacaacgagt cgccg 235

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<223> Clone ID: 700893735H1

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 ttccaagtcc attgcgagat cttctaaagc ctggccctgc aagtgttgag atcgatgatc 180
 accctatgca aattgaagaa acacagtacc cgaaaacctt cttctataaa gaaga 235

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<223> Clone ID: 700893737H1

<400> 32731

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 aaagggagga cagattagga catctgatgg tggccctaca atgaggcata gcctctctga 180
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 <213> Glycine max

<223> Clone ID: 700893738H1

<400> 32732

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 ggcgctagac ttatgttaga agatggatca atctggaaag caaagtcatt tgggtgcttca 180
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<223> Clone ID: 700893740H1

<400> 32733

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<223> Clone ID: 700893741H1

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 aacgtcaagg ccaagatcca ggacaaggaa ggaatcccc cggaccagca acgtctcatt 180
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<223> Clone ID: 700893742H1

<400> 32735

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 tcaacctgaa aatcagtgc gaaatatttt ttctccagga ttagatgcc gttgtcttca 180
 ggaatctcgt ctggcttcat cttcaacatt gaagagaatg tccccttatg act 233

<210> 32736
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<213> Glycine max

<223> Clone ID: 700893743H1

<400> 32736

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gaatttgaaa aactcgggtca agaacaccgt gagccaagtt tccaaaagga ttcttaccac 180
aggtgtcaat ggagaactcc atccttcaag attttgtgag aaggatctgc t 231

<210> 32737

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893746H1

<400> 32737

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acggcaaagg tggcatctca aaatctactg atttgagtac aaccttatcc tctcgtctgg 180
aaagcctggt aaattcaagt gcagttatgc tgtttatgac aggaaagcca 230

<210> 32738

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700893747H1

<400> 32738

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atgcaggtgt ggccaccaat tggcaagaag aagttcgaga ctctttccta cttgccagac 120
ctcgaatgatg cccaattggc aaaggaagtc gaataccttc taaggaaagg atggattcct 180
tgcttggaat tcgagttgga gcacggtttc gtgtaccgtg agcacaacag gtca 234

<210> 32739

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<212> DNA

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<223> Clone ID: 700893748H1

<400> 32739

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tctatgacat cgatgaaggg gaagcatatg ccatttgtgt tgagctttca aacaagaatc 120
ttctcacctt agtacaggag gcacgtgtcg ggggcatgta tagcagttgc tttgagattt 180
ctgtcactca acatgatata ttgagggacc ttgctcttca tttgagcaac cgtgg 235

<210> 32740

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893749H1

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aggccgttga gaaggcgaag aagaagctca gaggcttcat cgctgagaag agatgcgctc 180
ctctaagtct ccgtttggca tggcactctg ctggaactta cgacgtg 227

<210> 32741

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893752H1

<400> 32741

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gtgcaatagg tgaacaccgg ctaagggtgga tgcttgagac aacaacacca tgccaaagct 180
ccatagaaga gtgcatggca gatgggtgagt ttggaatgga ttcagagtcc c 231

<210> 32742

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700893753H1

<400> 32742

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gatcctccag caggacaaaa cctccggagg aattctggtc aacgtaaaag tcaacggaag 120
agtcaagtgg aaggctcgaa cttgggtttc cggaatttac catattaatg tcaactgtcc 180
ggcgtacctc aggctcgccg gcgaccgga cgacgccatc ggatttgccg gt 232

<210> 32743

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893755H1

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agcgaaatag aagcacttta cgagctcttc aaaaagatta gcagtgtgt aatcgacgat 120
gggttgatta acaaggaaga gtttcagttg gcattgttca agacaaataa aaaagaaagt 180
ctgtttgctg atcgggtatt tgatttattt gacacaaagc acaatgggat act 233

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<212> DNA

<213> Glycine max

<223> Clone ID: 700893758H1

<400> 32744

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ttgtattgta cttaacaaca gttacatgtt atactacatc tgccccatgc acactctttt 120
cactcttatg gtttatgggg cacttggtat tctccacaag tacaatgagc ttgggtcagt 180
cattgctgta aaaatcattg gttgcgtctt ggttggtatc ttagtatggg 230

<210> 32745

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893759H1

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accacgatgc tctcgagaaa gccttctctc aatttggcga aatcgtcgaa tcgaagggtca 120
tcaacgatcg tgaaactgga agatccagag ggtttcgatt tgtgaccttc gccacagagc 180
aggcgatgag agacgcaatt gaaggaatga acggccagaa cctcgacggt 230

<210> 32746

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<212> DNA

<213> Glycine max

<223> Clone ID: 700893721H1

<400> 32746

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gaaccatggt tccccagagc cagaggtgga ggattccagt tgctgttgcc caatttgctt 120
gggatcattc cttcaacttt cctacctcga caaatgtttt cataagtttt gcttcaattg 180
cattttacgc tggaccaagg tggttgctag caagcaccgt tctccacctt cttctg 236

<210> 32747

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700893760H1

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actggatgcg tggagctgca atgaagcctg ctttcattga tatctctgca atagatttca 180
atgcagatta tggcatgcgg agatcattta gtgaaggaga t 221

<210> 32748

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700893761H1

<400> 32748

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atccagaagt ggtacaccat ctacaaggat cacatcactc tcaaggattc cgagatccat 180
gacggcatgg gtctcgaact ctactacaac taaacacaac aaggtgtg 228

<210> 32749

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<212> DNA

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<223> Clone ID: 700893669H1

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gtgaggggcc taatggtgga caaggggaaa tggagaaggc acgtgactgg attctagggc 180
atggtggtgc tacttatatt acgtca 206

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<212> DNA

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<223> Clone ID: 700893670H1

<400> 32750

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gaaagaggag gcttctcagg atagaaaaga taatggtaat cgggcacaga cattcagttt 120
taatgaactt gaagctgcga cggaagttt taggttgat tgttttttgg gtgaaggagg 180
ctttggcaag gtttacaagg gacacttgga gagaataaac cagg 224

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<212> DNA

<213> Glycine max

<223> Clone ID: 700893672H1

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 atagcaacat ggcttcagtt ttgagattgc agagtcaatt gtgattggaa agggaacttt 180
 ctgtagaatg tgtatattat gagtgttaat agtgcgattg agtccaaaag a 231

<210> 32752

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<212> DNA

<213> Glycine max

<223> Clone ID: 700893673H1

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<223> Clone ID: 700893676H1

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 tcctcctgct gctgttcctt gcctcattga tctcaatcta ccagcaccgg ttgatgaata 180
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<211> 231

<212> DNA

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<223> Clone ID: 700893677H1

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 tggagtcac cattaacaaac cagatggagg tgatgtttat gaaggagttc caaaggatta 180
 caccggcgaa gatgttactg ttggtaactt ttttgctgct ttacttgga a 231

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<212> DNA

<213> Glycine max

<223> Clone ID: 700893680H1

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<210> 32756

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<400> 32756

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 cagtccatga tgactgcaag ttgaggtttt tggagctgaa ggcaaaaagg acacaccgtt 180
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<223> Clone ID: 700893683H1

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cagttgaacc agccaagtct gcatttgcaa caaaggccaa agttcgccga gctattgagg 180
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<212> DNA

[illegible]

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 gtgattgttg agaaagctga aagaagtgc atcccagaca tcgataagaa gaagtacctt 180
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<211> 239

<212> DNA

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<223> Clone ID: 700893702H1

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<210> 32766

<211> 237

<212> DNA

<213> Glycine max

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<400> 32766

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cgttaaaaat cctaaactga ctggacaagt atgggttggt ggacttatcc agaaaggaag 180
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<210> 32767

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<212> DNA

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<223> Clone ID: 700893705H1

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cttgtgttat ggaaaatgtt cctttcatca atggaagccc tcagaacacc tttgtcccag 180
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<210> 32768

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<212> DNA

<213> Glycine max

<223> Clone ID: 700893707H1

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agggagcaca ttccatagga ttataccgag ctttatggtc caagggggtg atttcacccg 180
tggtgatgga agaggtggag aatcaatcta tggtgataag tttgctgatg aaaact 236

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<212> DNA

<213> Glycine max

<223> Clone ID: 700893708H1

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<210> 32770

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<212> DNA

<213> Glycine max

<223> Clone ID: 700893709H1

<400> 32770

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attcttcccg cgtcgcaccc accaccaagt tattctcatc caaacaaggc acaatctcca 180
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ccat 244

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<212> DNA

<213> Glycine max

<223> Clone ID: 700893713H1

<400> 32771

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gcttttacat tgtcgttcgt gctgccggtta acttgaacca agactttcag cttacgtggg 180
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<210> 32772

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700893715H1

<400> 32772

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tttctgtgga acgccttgaa tatcatgtta gggaagaatt gaacaaaaca gcttctcgtg 180
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<210> 32773

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893717H1

<400> 32773

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caagcctgaa atggcaacta tgctgacaaa ggagcatggt ctgaacctca aggagaccga 120
gctttgcctc ggtttgctg gtgggggagg cggcggcggc ggcggtggtg aggtggaaac 180
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<210> 32774

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893719H1

<400> 32774

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tgtttcagtt caagtctgtc tacagggtccc tctcttttgg cttttctgct taccctgtggg 180
tttgggggaa aagccaaata ccgtgggctc ttaaatttgt agataagaat gcttttat 238

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<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893720H1

<400> 32775

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 gttggaatgt ttgtccattt cataccaaca ttatctgtgt tgtagcttgt tttaatgggt 180
 gtctgttact aagtttggag agatataagt caaaagtgc aagtatacac ata 233

<210> 32776

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893668H1

<400> 32776

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 ctatgatctt ggcactcatt gccatttcca tgcttcaaac agtgggttatg gctgctaattg 180
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<210> 32777

<211> 237

<212> DNA

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<223> Clone ID: 700893630H1

<400> 32777

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 aaaaataact gtgttcaaac acaaacgagc ccatggcata cttatgaggc cactgcacgc 180
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<210> 32778

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700893631H1

<400> 32781

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<210> 32782

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700893639H1

<400> 32782

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 tattgggtgtt cttagaagta tatttatcag caatttggtg cgcgccggat ttgatctgtc 180
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<210> 32783

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700893640H1

<400> 32783

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 gcctattccg aagccagtgt ataagcctat tccaaagcca gttccagtgt ataagcctat 180
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<210> 32784

<211> 151

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893641H1

<400> 32784

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 aactcgccaa gtccaacaat tctcgtcgaa ggtagtcatg cgcacaagat caggacgcca 120
 agatctgatg gagctncgat gagagttgtc c 151

<210> 32785

<211> 234

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<213> Glycine max

<223> Clone ID: 700893642H1

<400> 32785

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 cagcttcttc cgtcaacgtt gttgaatcaa ggaaacttga tgagaccact ccagtgcctg 180
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<210> 32786

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893644H1

<400> 32786

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 agagtcggtg aacgagggac accctgacaa gctctgcgac caaatctccg atgctgtcct 180
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<210> 32787

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700893646H1

<400> 32787

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 ttcagcagtt ccgtggtgtc gccgccggag gagctggtgg ctgccggcag cagaacgccg 180
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<210> 32791
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<223> Clone ID: 700893650H1

<400> 32791

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 gttatgttca cttcagagat atggcatccc aatgtatatc ccgatggccg ggtttgcata 180
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<223> Clone ID: 700893651H1

<400> 32792

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 ttatgctact tctactgctg cagcaacaac tcaagtttca gggaatgaag agctgccaaa 180
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<223> Clone ID: 700893652H1

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 ccggtatcca ggttggaac gcctgctggg aactctattg ccttgaacac ggcattcagc 180
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<210> 32794
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<223> Clone ID: 700893653H1

<400> 32794

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 tggatatctg actaatcga aggtgaaatt tatcttggtg accacggatc tggat 235

<210> 32795
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<223> Clone ID: 700893657H1

<400> 32795

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 tgagcaaaag tttgtggtga agattccaga gggtttggcg ccagagcaag tggcaccatt 180
 actgtgtgcg ggtgtgacag tgtacagtcc actggtacac tttgggctga a 231

<210> 32796
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<223> Clone ID: 700893658H1

<400> 32796

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 gcacaaatca ttatgggtac tctcatgctt ctcaagaagt tcaccctcct ctttctcctc 180
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<223> Clone ID: 700893659H1

<400> 32797

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<400> 32800

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 gatgaataat gctcgtctct ccgaccaccg tcgccacgctc ttccacacaa catacgaacc 180
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<223> Clone ID: 700893664H1

<400> 32801

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 tgctctgctc tgcaatggcc gacgaggaac ctgttgatca gaagagatat cttgaagagt 180
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<210> 32802
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<223> Clone ID: 700893665H1

<400> 32802

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 ccacaaaata tgtccagttt cctgtataca atgcttcagt tcattttaaatt tatgttgact 180
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<223> Clone ID: 700893629H1

<400> 32803

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 ccccatcgat ctcccgcgca actcttggtc aaaagcgggt ctcatctccc gttcttggtt 180
 tgccagcaat gggtaagggtg ggaagagtga gttgctccat ggaggaaaaa ccttattc 238

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<223> Clone ID: 700893589H1

<400> 32804

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<223> Clone ID: 700893591H1

<400> 32806

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<223> Clone ID: 700893592H1

<400> 32807

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 aacatggaat tgtgagcaat tgggatgata tgga 214

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<223> Clone ID: 700893593H1

<400> 32808

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 ctgccaaagg tgcgaaaaga aaagcatcat tagaagtggc aca 223

<210> 32809
 <211> 68
 <212> DNA
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<223> Clone ID: 700893595H1

<400> 32809

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<210> 32810
 <211> 246
 <212> DNA
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<223> Clone ID: 700893601H1

<400> 32810

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<210> 32811
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 <212> DNA
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<223> Clone ID: 700893602H1

<400> 32811

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<210> 32812
 <211> 243
 <212> DNA
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<223> Clone ID: 700893603H1

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 attatcctaa taaaccacct actgtgcgtt ttgtttctcg aatgtttcat cctaacattt 180
 atgcggatgg cagtatatgc ttggacattt tacagaatca gtggagccct atttatgacg 240
 tag 243

<210> 32813
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<223> Clone ID: 700893604H1

<400> 32813

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<223> Clone ID: 700893606H1

<400> 32814

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 gaatacaacg gtcgatgctc gttatgcagc agaaaacaga tctcgcaaga tggcagaata 180
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<210> 32815

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700893607H1

<400> 32815

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 ctgaagaagg ttttggaaac cgtaaggag ctcgtgaacg acgcgaactt cgactgctcc 180
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<210> 32816

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893608H1

<400> 32816

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 gctttgaagt ggatcactga tcaacctgca tggaagcgct ctggtggcag agatcacata 180
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<210> 32817

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700893609H1

<400> 32817

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tggcaagctc cgctacgca acaactccaa ctacaaaaac gacaccatca tccgcaagga 180
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<210> 32818

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893610H1

<400> 32818

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gacaacgtca aggccaagat ccaggacaag gaaggaatcc ccccggaacca gcaacgtctc 180
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<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700893611H1

<400> 32819

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atggctgcac attcaagaag aaggctccta aagcaattaa ggagataagg aagtttgctc 180
agaaagcgat ggggacgaat gatgtgagag tggatgtgaa gctgaacaag gctgtgt 237

<210> 32820

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893613H1

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actatttcaa gtgatcgagt taatgaagtt aatttgacat tggtaaaaaa aaaaaaaaaa 120
aaaaaaaaaa gggggggccc ccgattagg gccccgtcgc cccgggaata aatcccggac 180
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<210> 32821

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700893614H1

<400> 32821

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ccaaggataa ttttagactg acttcaacca gcaaagtgtg tcttttctgt atggatgtat 120
aatttagctg tagcatatag tgaaactaat ttagccttca atcctattat tttgttgggt 180
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<210> 32822

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700893615H1

<400> 32822

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ctcagcctga gccagttagc tacatctgtg gagattgtgg aatggagaat acgctgaagc 120
ctggtgacgt tatacagtgc cgtgagtgcg gttaccgtat cctttacaag aagcgcactc 180
gtcgcattgt ccaatacgag gcacgctgaa gaaaactgct ctgacattgg caagtaattt 240
c 241

<210> 32823

<211> 110

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700893616H1

 <400> 32823

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 tcctctcctg ctctgtctgc ttcgcctcct gggagaagca ggtccgccag 110

 <210> 32824
 <211> 151
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700893617H1

 <400> 32824

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 gtgcacaacc atggcttata gtgctgatgg tacaaggctc ttttcattgtg ggacaagcaa 120
 agatggggaa tcctccattg ctgaatggaa t 151

 <210> 32825
 <211> 241
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700893618H1

 <400> 32825

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 gagaatgtgg aggtaatcag gaagaagacc aatctgatgt tcgtcggaga tgggattgga 120
 aagactgttg tgaaggccag taggaatggt gtggatggct ggaccacttt ccaatcagcc 180
 actgttgctg tggttgagga cggattcata gcaaagggtg taacctttga aaattctgct 240
 g 241

 <210> 32826
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893619H1

<400> 32826

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gtgggtgtgct tccaggaccg aattcttccc tcagcagcct tatccaaaga tttgatgatc 120
aagggctctc taccaaggac atgggtgcat tatcaggagc acacacaatt ggaaaggcaa 180
ggtgtgtcag ttatagagat cgcatataca atgaaaacaa cattgacagt ttatttgcca 240
a 241

<210> 32827

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893620H1

<400> 32827

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caatggcaac tgcgaggaca ctgaaggatg tttcgctca cgatttcgtg aaggcttatg 120
cttccacct caagcgttcc ggcaagatgg agcttcctga gtggaccgat attgtagaaa 180
cagcaaaatt taaggagttg gctccatag atcctgactg gtactacatt agggctgc 238

<210> 32828

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700893622H1

<400> 32828

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ggccactcct ctgcgcggcg agcccttact ctccctcct ccgtcgagcc ctctccgatt 120
cgaatcgttc ccagcctcgc accaccatga atcccgaata cgattatttg ttcaagcttt 180
tgctgattgg agattctggg gtaggcaagt catgtcttct cctgaggttt gctgatg 237

<210> 32829

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893624H1

<400> 32829

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aagcttgtgt ctctattcct tccaatcctt ggagttctct gcaaaggggt ttcagtgcac 120
aataattcct gtaatgtgca ccagtaaaga ccaaagtatg attattgtta cattatgcta 180
tatgattgta cttgtatata catatcttct cccgcctttg taaatacaat tgggac 236

<210> 32830

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893627H1

<400> 32830

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caagcggctc ttgccgtcac tccctctgat gctgatgctc ctacatatt tgacaagatc 120
atcaataagg agattccttc tactgtggtt tatgaggatg acaagggtgct tgccttcagg 180
gacataactc ctcaagctcc tacacatatt cttatcattc ctaaattcaa agacgg 236

<210> 32831

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700893586H1

<400> 32831

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tcattgcgaa cgcttcctct cctcttcctt cctctccagg tccctccttc gccccgccgc 120
ttccgcttcc caccgctctt tcaacaccaa cgccatgcgc cagtatgaca accgcgccga 180
cgaccacagc accgacatcg atcgtcactc cgaacgctc 219

<210> 32832

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893543H1

<400> 32832

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gaagaaacct tattaccgc ttccgttaat tcctatctat tactacttct tattcaaagg 120
gtgatatgat cttcttcttc caagagtctc atgcatgcta ctttcttctc tcttctcggg 180
gaattgaagc gttgtggtcc gattgtttgc tagatcaagc aaattaa 227

<210> 32833

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700893545H1

<400> 32833

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ggttcaaacc aagaatggaa ctggtgcagt agcttctgcg tttgctggac ataaggaagc 120
tatacagcaa agggaccaca aatttttaag aattgctgtt gaagaagcct ataaaggggt 180
agactgtgaa gatggggggtc cctttggtgc tattatagta tgtaat 226

<210> 32834

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893546H1

<400> 32834

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ttctaattca atccattcct cacttccttt tcaaccgaag cttttctccg ataatgcag 120
agagaaagaa taatggattg gggaaacgta accgcggagg atctgatcga cgcgctccgg 180
aggtcgattg gtcgtcgccg ccgcgcccgc tgtcggaatt cttctcg 227

<210> 32835

<211> 130

<212> DNA

<213> Glycine max

<223> Clone ID: 700893547H1

<400> 32835

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tcttcctttg tttttgttgt ccttcttcaa ataccgtaaa accttcaaga atccaccact 120
tccacaaggt 130

<210> 32836

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893549H1

<400> 32836

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ttggcggtga actttgatat ttcagttggc gcgttaagtt taaacctttg gtttcttcta 120
tttgtagatt gaagatgata aaacaatcat accacggaat tcattgggtg atgttaacca 180
gtcgggtctt ctgatggta ttattatcga cattactcct cggt 224

<210> 32837

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700893551H1

<400> 32837

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tccgtactct cctgatggc aaggttgaga ggctctatgg tctcgcccc gttgctaagt 120
acctgggtcaa gaccgaagat ggtgtctcca ttgctgtct taacctcatg aaccaggaca 180
aagtcctcat ggaaagctgg tactatttga aagatgctgt ccttga 226

<210> 32838

<211> 115

<212> DNA

<213> Glycine max

<223> Clone ID: 700893552H1

<400> 32838

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gcgaccaatt accaaacatt agacgcgaga ggctgagcgg aggaggccgg gtggg 115

<210> 32839

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700893554H1

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aaaaaaattc gagctttatt tgtctcaa at ggcaa atgaa gaggagcaac aacaacaaca 120
acaacaccca ccttacgcat acacctta at tctgaacatc ttcagcaaga ggagaacatg 180
ggcatgtcta tttctggttg tttacggtac ccttttggca tcttca 226

<210> 32840

<211> 218

<212> DNA

<213> Glycine max

<223> Clone ID: 700893555H1

<400> 32840

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tggaagggga atttggcaga tcattggaag aaaatggcgg gtggtggaaa ggtttcgttc 120
aaagtcacac tcacctccga tccaaaatta cccttcggag tgtttagcgt tccagaggct 180
gcgcctttta ctgccgttct caaatcgcc gccgaaga 218

<210> 32841

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893558H1

<400> 32841

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 gtgggttgca attaccccaa cactagcaat gaattgcatg gttgcataaa cgatgtgttg 120
 gcaatgaagg acacgctgga gaagcgcttt gggtttgatc cctctaacat tgagcttctc 180
 actgatgcac ctactcttc taataaattg ccactgggtg ctaa 224

<210> 32842
 <211> 224
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893559H1
 <400> 32842

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 ttcttccttt tgccgtcgct gcagcaagtg gacttggcca acaacacctt cacgggggtg 120
 cagatctcga ggccactcga ggcgcggtgag ggaagcagca acagcaacct cgtcgcgctc 180
 aacctcgggt ttaacagaat ccgaggctac gcgcccgcga atct 224

<210> 32843
 <211> 80
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893560H1
 <400> 32843

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 gcgaccaatt accaaacatt 80

<210> 32844
 <211> 101
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893561H1
 <400> 32844

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 aagaagagtc tgtccgatct gaaaagcagc ggagaagact a 101

<210> 32845
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893562H1

<400> 32845

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 ttttgagagc atgcagcagc taagaaaaca gcgcgaggag gggaacacct atttctacca 120
 aagtcgtaca gttctgaaca aagcacggga gctggctgca aagagcgata ttaatgctct 180
 tgatgaagtt tcacagacag aggttgagaa atttatggca ctctggaaca 230

<210> 32846
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893563H1

<400> 32846

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 atcaatcagc cttgtctctc gggatacctg cagacgctag ctatgttgag aaagtggtag 120
 tggtaacagc tcaagtaata taaattgtac tacaatcctt cttgaaataa aataaaagcg 180
 taaatgtctt gttcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggggc c 231

<210> 32847
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893564H1

<400> 32847

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 ttgttaccca ttctttttac catacgggtg tttccatcat tcattcttgc atggtgttct 120
 atagcaacat ggcttcagtt ttgagattgc agagtcaatt gtgattggaa agggaaacttt 180
 ctgtagaatg tgtatattat gagtgttaat agtgcgattg agtccaaaag a 231

<210> 32848
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893568H1

<400> 32848

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 gattatcatg attatttgaa gcaattgaat ctataccgcc agagggtttg gatgtgtaaa 120
 gtcactggaa aaactggcct gacttatgaa gaggccttgg tgtctgaaca acttgctacc 180
 gagaaagttc aacagtttcc taaagaactg atgactgttg ctttaag 227

<210> 32849
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893569H1

<400> 32849

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 tcatcatcac cggtgattga agaagatgcc gatcagaaac atcgccatcg gaaggcctga 120
 agaggctact caccgccaca cggtgaaggc ggggttggct gagttcatct ccaccttgat 180
 ctctgtgttc gccggttcag gttccggcat cgctacaac aagctc 226

<210> 32850
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893570H1

<400> 32850

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 gtatcctcca cttggtaggt ttgctgtagg ggacatgcgt caaactgttg ctgtgggagt 180
 catcaagaac gttgagaaga aggatcctac cggagccaag gtc 223

<210> 32851
<211> 221
<212> DNA
<213> Glycine max

<223> Clone ID: 700893572H1

<400> 32851

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aatgagcctc gtcttggtgc caggaaattc ttggcacgac ctccagattga ggggtgttggg 120
actgttggtta gaagaagcat aggagggtta gtagtaagag aaaatgaaaa aaaaaaatta 180
aaattaaagc ttcaagaccc ttttttcaat ttgcatcaaa a 221

<210> 32852
<211> 224
<212> DNA
<213> Glycine max

<223> Clone ID: 700893573H1

<400> 32852

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acttccttca cctgaatggt cctcagatca cattgctctc ttagctgagt ttcgctgctg 120
caagaataaa tctaggcgtt gacagttaag gtcactttca gtgatacata cagaaaaagt 180
ctgaaagaag catttggttg gtaagttttt tgtaaaaatg gtag 224

<210> 32853
<211> 224
<212> DNA
<213> Glycine max

<223> Clone ID: 700893575H1

<400> 32853

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ctgaatctca acacaacctt cgatatactc aacactgtgt tcgtttttgc tgccaagggt 120
acaacactga aagagacacc ggagtaacat aaataagatg gaccaacaaa accaaaataa 180
cactccagat gggttcaggag aggtgccttt gaagcgcaaa cgtg 224

<210> 32854
 <211> 115
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893577H1

<400> 32854

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 atgcatgttg tagttctatg cacgtaaaca agagtggcac atttaattatt ctctt 115

<210> 32855
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893578H1

<400> 32855

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 ggtgttcctt ttcacgtgc tggtcacaat tcttttgata tgggcaatcc ttagaccac 120
 caaaccacc ttcacgtcc aagacgtcac cgtctacgcc ttcaacgcca ccgtggcgaa 180
 cttcctcact tcgaattttc aggtcacgct catctcgct aaccg 226

<210> 32856
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893579H1

<400> 32856

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 ctttttgtgt gtgccaacaa cacagaaaga gagagaaaga catggctctg aaccaatcaa 120
 aggccgtgtt gttgaggtg agtttggtgg tggatgatcgc tgtgtatagc aggatacata 180
 gtgggtcccc ctctctactg gcatttcgtt gcagtgaaca accactcttc 230

<210> 32857
 <211> 232
 <212> DNA

<213> Glycine max

<223> Clone ID: 700893580H1

<400> 32857

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catctgcatc gccgacgctt ccaacaataa caatggccga taatgcaaca acgcaaggaa 120
gcaacaccct attttctcct tacaagatgg ccaaattcaa cctctctcat aggggtggtgt 180
tggctcctat gacaagatgc agagcgttga actggattcc acaggcagcg ct 232

<210> 32858

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700893581H1

<400> 32858

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cacaactgca aattacctga gcaagtgcatt ttattcaatt ggaatgggta gcaatgatta 120
ccttaacaac tatttcatgc cgcggttcta ttccagcagc aggcaattca caccacagca 180
gtatactgac gtgcttggtc aagcatatgc tcaacaactg aggattcttt acaaatatgg 240
gg 242

<210> 32859

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893583H1

<400> 32859

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ggtttggtt catcagaccc tgactcaggg aaaggaaaga gcaagatgtc aaagaacata 120
actcatggtt atcatttggt gaaaggaaaa tcatatcatg acatggagga ttacgttggt 180
gctcaattta agcaaataga taacaatgaa ttgggtttgt ttgc 224

<210> 32860

<211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893542H1

<400> 32860

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 tattcaacc aactcgttta agactgtagt gtgtggacga ttagctggat ctacggctgc 120
 ttatttcacg actccttttg atgtgatcaa gactagatta cagacacaga ttcttggtgc 180
 tgcaaataca tatgatagtg tgctccatgc cctttacaaa attagta 227

<210> 32861
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893584H1

<400> 32861

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 taatcaggat attagcaatc aagttgctgc ttatatgaga gattcctaata gaatgatcaa 120
 tcagatgcgg ctgagaagat cagctgttaa tatatttga tctgttccag aggttgacga 180
 taaacataaa gaagctgaaa cacgtactga tggatga 216

<210> 32862
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893503H1

<400> 32862

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 catattctct tactcacctt agcaaacac aagttcatgg gtccaattcc aagaagtctt 120
 cctaaggctt tgtccactct aagtgaagtg cttttactaa acaaccagtt aactgggttg 180
 ttgccttatg agattggttt tcttgaagag gcaacagtgt ttgatgctgg caac 234

<210> 32863

<211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893504H1

<400> 32863

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 agtctcaacc tttagtcgaa agagcaagga tctgagttag tgagcgatca tgtgtggtgg 120
 tgcgattatc tccgacttca ttccagcggg tcccgcgggc ggggcgcacg cgtgaccgtc 180
 gacatcctgt ggccgaattt gaggaagcgg ttctcgaagt cgctgct 227

<210> 32864
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893505H1

<400> 32864

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 tgtcatctcc aagcaagaga agagaaatgg atgtaatgaa actgatgatg agtgattata 120
 cagtggagac gataaatgat ggactcaatg agttcaatgt ggagtttcat ggtccaaaag 180
 aaagccttta tgaaggtgga gtctggaaaa ttcgggttga gcttctgat gctt 234

<210> 32865
 <211> 211
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893506H1

<400> 32865

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 tatatttgtc gtacctacat tggtggaaca agttgagtct gatcaaataa gtaacaccct 120
 taattccata gtgtaatagt gttttacagt aatattgtat tgtcttatca gaccacatga 180
 aatactctta tttataatga agaaggttta c 211

<210> 32866

<211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893507H1

<400> 32866

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 gtattaagga gatggggaag accaccactg tgcttgtacg tgggtctaata cagcttgtgc 120
 tcgatgagggc tgagcggagt ttgcacgatg ctttgtgtgt tgtaggtgt ttggttgcca 180
 agaggtttct cattgccggc ggtggtgccc ctgagattga gctctcca 228

<210> 32867
 <211> 159
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893508H1

<400> 32867

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 tttagtctgc acaaggtttt aaaaaatggc tgatgctgag gacattcaac ctcttggtgt 120
 tgataatgga actggaatgg tcaaggcggg ttttgcagg 159

<210> 32868
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893510H1

<400> 32868

gttctgctta cttttttatt tttattgagt caatgggatg ccgttttggt taatcaactt 60
 gatttaaagg ctgcgaaca catgttcaag gtgcacctag gagatactcc ccataacttg 120
 gctgaaagtg attttgaaca tttggctcgc aagacagagg ggttttcagg ttcagatata 180
 tctgtctgtg taagtttgac ttctatattt aatacctggt tagaataatg a 231

<210> 32869
 <211> 231
 <212> DNA

<213> Glycine max

<223> Clone ID: 700893511H1

<400> 32869

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 cttctttctc ttcattttct tcgctcttcg atcttcgtcc ggggactgct ccgaatacca 120
 ccaccaccac tcgccgatgg ccacgatcgg aggettacac gactcccaag gctctcaaaa 180
 cagcgtcgaa accgaagccc tcgctcgatt cgccgtagac gaacacaaca a 231

<210> 32870

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700893513H1

<400> 32870

ctagggataa cttgtcatat tgtgattgat catgggtggaa atgttcccta ctgggaagga 60
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 tgagtactga ttgtgaattc ataattattg atctttgtat tcagttttgt ttcgataaat 180
 taattttgat ggaaggaatg cattttcgat atgtgtcctt tatcatcata gt 232

<210> 32871

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700893514H1

<400> 32871

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 tgcgcatgat gcgtaccagt cgcattacct gttgcacct ttctcagtct tctaagccag 120
 cccgcaaaat ccgtggtatc atgaaacccc gcaaagtctc ccccgagatg gaagacctcg 180
 tcggcgctcc cgagatggct cgaaccaag tcctccaac 219

<210> 32872

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700893515H1

<400> 32872

gcattcctaa cataaaatgg tccggcatag atggggagga taatgtgctt gttattgact 60
tgcttgggcc gagtcttgag gatctctttg tgtattgtgg aaggaagttt tcattgaaga 120
ctgtattatt gttggctgat cgaatgatca ctagaataga atatgtgcat tctaaaggat 180
ttttacacag ggatattaaa ccggataact ttctcatggg acttgggtcga aaggc 235

<210> 32873

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700893516H1

<400> 32873

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ggcaggggact gaaggctggc accaaaaaac aaaaatatga taaaatcagt gagaagacaa 120
tgtcaacttc gttagagggg ctctgcaagt catatccctc agagtttgta tcatattttc 180
aatattgccg aacattgcga tttgaagaca agcctgatta ttcattatta aagaggctg 239

<210> 32874

<211> 204

<212> DNA

<213> Glycine max

<223> Clone ID: 700893517H1

<400> 32874

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cttgctctta tacaagatga caagagagcg cgtgacgtct aaacctttgg tttccaacag 120
tgtgtctgag ataaggataa attattcata cgctgacttc agtggtatat gttcaccagt 180
cgggtcttct tattcgagca agag 204

<210> 32875

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893518H1

<400> 32875

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accctaaggt cttcttcgac atgaccatcg gcggtcaagc tgccggccgc atcgtgatgg 120
agctctacgc cgacgtgaca cagagcaccg ccgagaactt ccgcgcgctc tgcaccggcg 180
agaagggcgc cgggcggagc ggcaagcccc tccactacaa aggtctgtcc t 231

<210> 32876

<211> 225

<212> DNA

<213> Glycine max

<223> Clone ID: 700893519H1

<400> 32876

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aggagaatgt catctgttgg tggaaactcc tcagagattt ccaagcagag gcaggattgc 120
cttgattttg atctgaatgt ggctgagggt gaagaaggac tgctaaaaca aattggtgaa 180
tcttcaggcc ttccttctgg ccaatcatca gtggaactta gtcct 225

<210> 32877

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893520H1

<400> 32877

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cacataaccg caatgagcta gttgtcattc atggccatga agagccgaag gctttgaaga 120
acttgatgg gcaagtgtgt gagatttgtg gtgatggcgt gggactcacg gtggatggag 180
acttgtttgt ggcttgcaat gagtgtggtt ttccagtgtg cagg 224

<210> 32878

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893521H1

<400> 32878

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aatgcagttt ttatgcagac atatgttggt ggcgtctcat gccatacat ctgtgggaag 120
catttggatc atggggttct tctagttggt tatggtgaag gtgcatatgc tccattcgt 180
tttaagaaca aaccttactg gatcattaag aattcatggg gcgagag 227

<210> 32879

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700893523H1

<400> 32879

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tccactaact gaaggagaaa tggggttgac attcaccaag cttttcagcc ggcttttcgc 120
caagaaggaa atgcgaattc tgatgggtggg tctcgatgca gctggtaaga ccaccatcct 180
gtacaagctc aaacttggag agatcgttac cacaattccc accatt 226

<210> 32880

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700893527H1

<400> 32880

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ttgttgctaa gttaaaaaaa gacgggggtg cagttccaga atcaaacatc gataaaaaaa 120
atgatggcgc agaacacata aatgggtcaa aaactaatga cgttgaaagt aatattgttc 180
ccaaggagca tcttttggat gcaccgaaac cagatgagga aatgcccc 228

<210> 32881

<211> 225

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893528H1

<400> 32881

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catcaactat ctccacaacc ctcacattta atgacgttct tccatccacc aagactatcg 120
nctcatttaa gctgcctgat tataattctg gcaagttaga ggttcaatac ttccatgacc 180
atgctacctt aacaacagct gttgcactga agcaatcccc tgtca 225

<210> 32882

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893529H1

<400> 32882

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ttcaggtttc accagtacca ggtgggtggg agggctcttc ccacggaagc agatcagcac 120
cccgggatct accgaatgaa gctctgggcc accaacgagg ttcgcgcaa gtccaagtgc 180
tggtattttc tgaggaaact gaaaaagggtg aagaagagca atggccaagt g 231

<210> 32883

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700893530H1

<400> 32883

agaatatcca gttgtaataa ccctagaaga ccaccttaca ccagatcttc aggctaaagt 60
ggctgagatg gttacccaaa catttggaaga catactattt actcctaact cagaaagtgt 120
gaaggaattc ctttctcctg aatcacttaa gaagagaatt attatatcaa ccaaaccacc 180
taaggagtac cttgaggcaa aagaaaagga aaaaggggat gattcacagc acga 234

<210> 32884

<211> 231

<212> DNA
 <213> Glycine max

<223> Clone ID: 700893536H1

<400> 32884

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 tgaacgtggc gcgcgaggcc gtggacgaca ccgccggcgc tgccgagttc gtcgccagca 120
 acaatctccg cgacaccgcc gccatcgca gcgcacgcgc ggccggagctc tacggcctga 180
 acgtgatggc ggacggaatc caagacgatc cgagcaacgt caccgggttt g 231

<210> 32885
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893537H1

<400> 32885

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 tcgtcgctgc atacttgcgc gcagtgttgg caaggaatcc atctccttcg gccgatgata 120
 tgaaatacat cctcggcgca gtcggagctg aggctgagca tgagttgatt gagttgctct 180
 tgaccgccgt catgggcaca gacttcaatg agctacttgc tagtgga 227

<210> 32886
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893538H1

<400> 32886

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 agtgaggatg cctatctcat ccgatttatt gaaccgcgc aattttatca ctaagatcac 120
 tcgatatgag aaggttgtgg atattccgaa ttcgatgact atattggatg aactgcttcc 180
 aatttcaatt gagatgggga agaggaatct gactgggatc tggaact 227

<210> 32887
 <211> 227

<212> DNA
 <213> Glycine max

<223> Clone ID: 700893540H1

<400> 32887

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 tggctgtcaa agtttatatt gtgtactact ccatgtatgg gcatgttgag aaactagcag 120
 aagaaataaa gaaaggggct tcctctgtgg aagggtgtga ggccaagtta tggcaggtac 180
 ctgagacact gctggatgag gtgcttggtg agatgagtgc accaccc 227

<210> 32888
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893541H1

<400> 32888

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 tcaaatcaat aaagctgggc taatgtcttc tccttcagtc ttgcaaacag atatttatct 120
 ggaggattta gagatacaac ttgctgagca tgaacatgag ctaattgaaa tgaactctaa 180
 cagtgaagaa cttcggcaat catataatga actcctggag ttcaag 226

<210> 32889
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893502H1

<400> 32889

gaagtttaca gcttgtcgac gagtggtgcc aataggccct atttgtaatt gtaggaatga 60
 tgagttgaga aaaagtgtga gcttttgga agaagatatg agctgcttga agtggctaga 120
 aaagcagaag gccaagtacg ttgtatacat ctcatcggga agttgggtga gtcccatagg 180
 ggaagcaaag ttgaaaaatt tagcactggc actcgaggct tcaggagg 229

<210> 32890
 <211> 156

<212> DNA
 <213> Glycine max

<223> Clone ID: 700893457H1

<400> 32890

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 attctggttc tgttctgttc ttctttctac tcacaacaac atcagaagtc agaatacaac 120
 aattggccat cactacactt cggacagatc gttccc 156

<210> 32891
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893458H1

<400> 32891

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 cctccttgcc agaagttaaa atggcccaag aaactttcct attcacatct gaatcagtga 120
 acgagggcac cctgacaagc tctgtgacca gatctccgat gctgtgctcg atgcatgctt 180
 ggagcaggac cctgacagca aggttgacctg tgaaacctgc accaag 226

<210> 32892
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893459H1

<400> 32892

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 ctgttctcgg attggtacca gctggtgcat ctttttttct tcaatttttt ttttcggaat 120
 tctttttggt cctaatttta tcaggagaag ctgaattttc cgggaaaatt tgcgttggtt 180
 tctcttcctt gcgaccttcg ccgacggctg ctactgattc gtcaac 226

<210> 32893
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893461H1

<400> 32893

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gattcagtgg tgccaagatc taccaggaaggaggatcag atttggtcgt ggtgattctc 120
agggtttctg ttgcaaaact caaaatgtaa gaggtatttc cacaatcgcc tgaagccttc 180
aaagctcacc tggactgcaa tgtacagaaa gctacacaaa aaggac 226

<210> 32894

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893463H1

<400> 32894

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acgaaaaatc gccatgaatc ccaaaatcct ctctgtgttt gctctgcttc tgaatctcgt 120
atccaattcg tccaaaaccc taaccctaaa acccccaaat caacgtcatc gcaggcttac 180
gtggagctca tcaaccacgg cttaccgcgc ggtcttctcc ccgccaccac 230

<210> 32895

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893464H1

<400> 32895

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atcaaactga ggaatcgagg aaggaagggt taggattagg gtaaggattg ggaagccata 120
ggagaagaga acagaggaag aagaggtcaa ttcaaaatgc cggaagagga ttggtggac 180
atcaaattta gttgtacga tggttccgat atcggaccct tcaggtaact ctccgc 236

<210> 32896

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 700893465H1

<400> 32896

atcatcatcc cctctcccca acggataaag agagagtagg gtcccttcat tctctcacac 60
 agaaaaatgg cagcgtcagt ttcgtgctca tggctaacc ttccctccca aatgaggagc 120
 ctctccctca ctcct 135

<210> 32897

<211> 132

<212> DNA

<213> Glycine max

<223> Clone ID: 700893467H1

<400> 32897

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 tccatggctc tctcatcccc atccttggct ggcaaggccg tgaagctggg cccatcagcc 120
 ccagaagtgg aa 132

<210> 32898

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893468H1

<400> 32898

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 gtagaggagc tgtggaatth tgtgatggac ccaccttagg aggtttatgt tgttctctca 120
 cgaattatcc aacgttgtht ggatcaacgt tgggagagtc gagttgtttt tttcttcttc 180
 attaggtgcg tccggatctg tcattgtgca ttggaaaata ctttcca 227

<210> 32899

<211> 129

<212> DNA

<213> Glycine max

<223> Clone ID: 700893469H1

<400> 32899

gtggagcaat atgctcactt gggattacgt acattatggt tggcttggcg tgagttaaag 60
 agagatgaat atcgagaatg gtctttgatg tttaaagagg ccagtagcac tttgggtgat 120
 aggggtgga 129

<210> 32900
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893471H1

<400> 32900

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 ggcagaaaca gagacgcaga agacaaccac acttttttca tggccaaaat cattggcagg 120
 agcagaagaa gaagaataca acgactacta ctcaacaact atgcaacaga atgggtcatc 180
 atcatgtcaa tgtccgctgc aacctgttcc atagcatgtc ctttcttggg cgtttta 237

<210> 32901
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893472H1

<400> 32901

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 ctgccaaaca caggtattac aaaaccaaat ctgtcaacag caattacaac ggcgagaggc 120
 aggtttgagt gacacgaggt ttatagaggg tggaaaatac ttctatgatg ttaagtctga 180
 aaagtacaac catccaacac aatatggtgg ctcaaccaga gg 222

<210> 32902
 <211> 224
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893475H1

<400> 32902

gtcccaggaa gacgagggat gatttcctgt cgcagggttt caaattgaca ttatgaggaa 60

gtctaagaag aagaagcaat ggtacatggg ggtagctgaa actggctcgg cgggtttgtt 120
 ttgagttgat tcaagccaaa gggaggttga ggaaaagtaa gaaaatgttg cttccgttac 180
 aatgactgta atgtatagtt aaattaatac tatcagctac atat 224

<210> 32903
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893476H1

<400> 32903

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 agaacgttca tttttcattt tcgtttctaa taaagagcat ggccggtggt tctatcaaga 120
 gacatctttc tccgaagagg accatggttt cgcttcttcc atggagcctg ggtattctgg 180
 gcacaaccac cacttccatc atggtttcgt gtctaggact ttggg 225

<210> 32904
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893477H1

<400> 32904

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 cttactcttg caatcaatac aattaagtat tattcaaagt cccaaccatg tcaccaacaa 120
 acactttgca attttggctc tcttctgctg tgccatttcc ttaccttcg cttctgacct 180
 tgacacactt caagaccttt gtgtggcact tccctcttca ggtgtga 227

<210> 32905
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893480H1

<400> 32905

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 cacaaggccg ctctatctgc ctctagccct gcctccttca agactgtggc tcttttctcc 180
 aaaaagaagg ctgcacctcc aaaaaaagct gcagctgctg ctcttgccaa tg 232

<210> 32906
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893482H1

<400> 32906

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 ttggacaccg catatttcta atatatgcag ttcctttggg tctggcaatt acgtgggctg 120
 ttgcttcttg ttgactgaag ctggagtcta caactacaaa ggatgtgaca taaatatacc 180
 tgcctcgaat atggtttcgg agcactgcag aaagcatgtc tcaag 225

<210> 32907
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893483H1

<400> 32907

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 cgcttttctaa attccacacc cctccgttcc actgcttcgc cgcgacaagt tacaagaatg 120
 gcttcgagaa tgctcaacaa gacacgcgct tagccagaat cgcctctgcg atccgagtca 180
 tccccgactt tcctaagcca ggaattttgt ttcaggacat aaccacg 227

<210> 32908
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893485H1

<400> 32908

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cattctcgcc gtcgtcgctc tcttcttcgc cgccgccaat gctcaagacc tctcccggct 120
 ccgagtcctcg atgccggagc ggcgggatcc gtttcgagct ccgtcgccat gatcggagct 180
 tcggttgtgc tgtcattgat ggctatcttg aagc 214

<210> 32909
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893486H1

<400> 32909

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 ccatcgaga gcttcacctg aatatagcac cataaaaaat gaggaagaga tctcacaag 120
 cttgaagatg gtgtggttca acaattcaaa aggagtaaaa gctcaaatga aactagagct 180
 tctgattatg attccaacaa gcatgatgct cgcctcatgc gaa 223

<210> 32910
 <211> 219
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893487H1

<400> 32910

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 attgatcaac ttggagatgc tcagtggatga ggaaagaaac gataccatgg aaaaaattaa 120
 aatgcttgatg aaaactgggg attctttgag ctggatgaatc atggcattcc tcatgacata 180
 ttgatcgctg ttggagatggt gaccaaagag cactacagg 219

<210> 32911
 <211> 212
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893489H1

<400> 32911

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gttgaactcg aaatggcgaa acttgaagcg aagctaggaa tgatcgtgga ctaggtgggg 120
cattcttctc cggcaaagac catcttcctt attgtgactc tgacgtcgtc gctggatgtg 180
aaagagaggt attggaggct gaaaaacaat catctgaaga gca 223

<210> 32915
<211> 246
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700893493H1

<400> 32915

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gttgaactcg aaatggcgaa acttgaagcg aagctaggaa tgatcgtgga ctcggtggcg 120
gcagtcttct ncacggcaaa tgaccatact tccattgttg tgcactactg caacgtcgtc 180
ancatggatg tgcaaagaga gggttaattgg taggctcgaa caaacaattc gatctgaacg 240
agcata 246

<210> 32916
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700893496H1

<400> 32916

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gatcaagctg atcgaggaag atgcagattc atttgccagg agggctgaaa tgtattataa 120
gaaacgccag agcttatgaa attagttgaa gagttttatc gcgcataccg ggcattggct 180
gagagatatg atcacgcaac tggagtgata cgtcaggccc atcatactat 230

<210> 32917
<211> 223
<212> DNA
<213> Glycine max

<223> Clone ID: 700893456H1

<400> 32917

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 ttcatgattt tcttctttac aattaaagct agccccaaaa cacatccttt tgaagaacat 120
 tattttcatc aatatatttc tgtgtaagtt cagttgttga agggaatttt ttgaagttca 180
 ccaatcattt gttaaatttc aggagtactt agctaaccga gtg 223

<210> 32918

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893501H1

<400> 32918

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 gcctcctcga ccacttgtgg gacgacaccg tcgccggccc aaggccgaaa acggtctcgg 120
 caagctccga aaacaccaca ctttcacttt ccgacctagc tccggcaagg aaacggaggg 180
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<210> 32919

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700893416H1

<400> 32919

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 agataccgat aagctcgtgt gatagatttc tcggcgtcgt ggtgcggtcc ttgcaaattc 180
 atagagccag cgattcacgc catggccgac aagttcaacg acgttgactt cgtcaagatc 240

<210> 32920

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700893417H1

<400> 32920

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 cagcatcgat atcgaaaatc tcgctcgctt tgctgttgat gaacacaaca aaaaagagaa 120
 tgcagttctg gagtttggag ggtgattagt gcaaagaaac aagtggtttc tggcaccttg 180
 tactatatca ctttggaggc aaatgatggt gtgacgaaaa aggtttatga aactaagggt 240
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<210> 32921

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700893418H1

<400> 32921

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 tggttgagtt catgagaagg ttgcaaagac tgtggagggt gaggagttga cgggtggagga 180
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<210> 32922

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893419H1

<400> 32922

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 ccctttcttc cagttgcagc agctcccact aaaaatcagg ttcggagagc ggttcagtgc 120
 ggtgtgtggt gcaaaagaag gagatacacc cggcaattct acgaggaatc gaagggtgtat 180
 taacgggagc tgggtgctga cgacagggtg gaccagaagg aatacgtggt g 231

<210> 32923

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700893421H1

<400> 32923

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 tgtacagaga gctttttcaa tatagcttac attgttcttt ggtaggtata cgtttaaggt 180
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<210> 32924

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700893424H1

<400> 32924

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 tctggctttt aggaaagcag caataaagac ccatcacaca gtgaattcca atattctagt 180
 caaatttcct gcatgccccaa agagttgcat agtatttttc cttcgaagc 229

<210> 32925

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893425H1

<400> 32925

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 ggagcttaca tggcactaat gacagtagta tttttctggc tcatgaagga taccgacttc 120
 ttctcggaca gttcgggtgtg aggtctataa ggaacagccc cggagaaatg atggcagccc 180
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<210> 32926

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893428H1

<400> 32926

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 aggagccacg aagggcttgg aatgggtggg tctgtgtctt accaaaaatt cgggaagact 120
 agtgactgtg gtcacctaga tcaactctaa agtgctggaa tgaggaagat gaggaagagt 180
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<210> 32927

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893430H1

<400> 32927

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 ctacgtctgc cttacaccaa gtgtagaact gtagataaaa taggttctaa gtagtcttaa 120
 attaattttg gaggtatgga ccagcaagtt tagctgtctg aataatttaa gcccaagttg 180
 ttgtgttgat gccagatat gaatatttga tgtagaata ttgaaatatt gcaatt 236

<210> 32928

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893431H1

<400> 32928

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 accctctcct cgacatctct gccgtcgtcg acgacgcttt cttgcaaaaa tacggtatca 120
 agttgaacga tgcgttctcg ctgaggataa gcacaaacct atgtatgaag aattggctaa 180
 caatccta atgtgagtaca ttgctggagg tgctactcag aattcaatca gggttg 236

<210> 32929

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700893432H1

<400> 32929

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agaccagatt cgcgttctcg tcaactggagc tgcagggcaa attgggtatg ctcttgctccc 120
tatgattgct aggggatgat gttgggtcct gaccagcccg tgatcctcca catgcttgac 180
attcctccgg cagcagagtc attgaatggg gttaaaatgg aattggtgga tgctgcattc 240

<210> 32930

<211> 104

<212> DNA

<213> Glycine max

<223> Clone ID: 700893434H1

<400> 32930

gaaagaaaga gatgctatta tgggagaatt tcgtgctgga acaaccctg tactaataac 60
aactgatgtt tgggcccctg gtcttgatgt acagcaggtt tctc 104

<210> 32931

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700893435H1

<400> 32931

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gccaggaccc ggcattggcac ctcccaccat gggccagcag ccgcagcaac agtaccagca 120
gcagcctccg cccagcagca acaaccctac gtcattgctgc cgccgcagca tcaggcgccg 180
cagcctatgt gggccccatc cgcccagcct ccgctgccgc agcagcc 227

<210> 32932

<211> 131

<212> DNA

<213> Glycine max

<223> Clone ID: 700893437H1

<400> 32932

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caggtaatag atgaatatca aaaaaacttt ggcgagtcac ggagaaatgc tcaggaagac 120
agtactcaac a 131

<210> 32933
<211> 230
<212> DNA
<213> Glycine max
<223> Clone ID: 700893438H1
<400> 32933

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cttgctttta ttaggaagat ccaaccattg aagaggcacg cagtctctta cactgggttg 120
actctgagga ggttttgga agatgggtgt ttgtggactt agtatgggag gagtacatgc 180
tgcaatggtt gggtcacttc accctacacc tgttgcaaca ctcccttttc 230

<210> 32934
<211> 226
<212> DNA
<213> Glycine max
<223> Clone ID: 700893440H1
<400> 32934

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acaacaatgg gttctatgtg cttatgctag ttgggatagt ggtagcact atggttgcta 120
cctgtgcggt agcttctacc aagactttga tctaacaatgg ggtggtgacc gtgctaagat 180
attcaatggt ggccagcttc tatcactttc cctagacaaa gtctct 226

<210> 32935
<211> 229
<212> DNA
<213> Glycine max
<223> Clone ID: 700893441H1
<400> 32935

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cacttcaacg ttcgcttccc ctcttcttct tctccgggcc cactcaactg ggacgttaaa 120
 ttctacgaca actccagctt ttcattggtg gaggcaaacc caaaatgcga tggacttta 180
 aggaacacgg gtggcctaag tccacgttgt tgcagacgta tcccact 227

<210> 32939
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893446H1

<400> 32939

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 gcacgttgaa gttgccgttc ccagtccaaa ggcaaagtag gttttaatca aactggaagc 120
 agtttagcatt accctattga ttggaagatt cagaagggtc tctccgtcc tttatttctc 180
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<210> 32940
 <211> 236
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700893448H1

<400> 32940

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 tcgaagagca cccaccacc aggcccaaag ggtttaccaa tcataganaa catgttaatg 180
 atggagcagc taaccaccg cggcctcgcc aacctggcca aacactacgg cggcat 236

<210> 32941
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893450H1

<400> 32941

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tactgatgtt gtagttatgt atgatcataa tacacagagg ccaagagggt ttggcttcat 120
 cacttatgat ctgaagaagc tgtggataga gttctttaca aaacttttca tgaactcaat 180
 ggaaagatgg ttgagggtgaa gagggcagtt cccaaagaac tttcccttgg 230

<210> 32942
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893451H1

<400> 32942

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 aatgatgagt atcttaaagc cttaaattct ctatttagca acttcccaag actgagagca 120
 actgaaccag aacacttagc attccccatt gggtagcttc cttaaagaca ggctctgagg 180
 ctactcagga agctgccttg aatgcacttt tcttgcttag gcaagcttgg tca 233

<210> 32943
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893452H1

<400> 32943

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 gtggtgccaa gatctaccca ggaaagggca tcatatttgt tcgtgggtgat tctcaggttt 120
 tcctgtttca aactcaaaat gtaagaggta tttccacaat cgctgaagc cttcaaagct 180
 cacctggact gcaatgtaca gaaagcaaca caaaaaggac attgctcaag 230

<210> 32944
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893453H1

<400> 32944

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gcttggcagt catacaatga agaacctgcc tcatccagtc aagctgattc cattgcagca 120
 tatgcacttg ggagcaggtc aacgtgaccc gcgattcttc agattatttg tggatatga 180
 cagatgtcaa cgtaaatgct aatgaaggat ttctaaagaa tggaca 226

<210> 32945
 <211> 224
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893454H1

<400> 32945

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 gcaacgctgc ggaggctgca agatgtaccc agacttgagc tacactgagt caaccaccac 180
 cgagaccttg gtcatgggag tggcacctgt taaggctcaa ttg 224

<210> 32946
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893415H1

<400> 32946

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 caaaatctaa aaacaagttt cacctttggg ggagtcattg gagacatgga gattcattgc 120
 tgtttgccct tgctttgcac aggttatgta tgcctttgta atgcgtcctg agagcttgcc 180
 aaaatcctat caagacttca ttcaaaagac cgggccagtt gcagagcctg tatacaa 237

<210> 32947
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893378H1

<400> 32947

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cgttcggttcg ttcggttgct gctttagttg ttactcttcc gttacggcga tggagttgga 120
gcacccgacc ggcagccgc tcaactccgc catgacctac gacgaagcct ccatgtagcg 180
cagaagagct tcgtcaacgc cttgcaggaa cttaagaacc taaggcctca actttattct 240
gctgcagaat actgtgaaaa atcttatctc 270

<210> 32948
<211> 276
<212> DNA
<213> Glycine max
<223> Clone ID: 700893379H1
<400> 32948

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aaccataagc actgagggaa aaagtgatta gtactttagc caacaaatta aaaatggctg 120
tcaccaagat ctacattgtg tattactcct tatatggaca tgtagacacc atggctagag 180
aagtacacag aggggctgct acagttgaag gtgttgaagc aacactttgg aggggtactga 240
gatgctttcg gagctaatat tgggatagtt gaaggc 276

<210> 32949
<211> 276
<212> DNA
<213> Glycine max
<223> Clone ID: 700893380H1
<400> 32949

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tctctcacct gaaaatgtct tgctgcggtg gtaactgtgg ttgcggaagc tctgcaagt 120
gcggcaacgg ctgcggaggc tgcaagatgt acccagactt gagctacact gagtcaacca 180
ccaccgagac cttggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa 240
tgggtgtgcc cgctgagaac gatggctgca aatgtg 276

<210> 32950
<211> 107
<212> DNA
<213> Glycine max

<223> Clone ID: 700893383H1

<400> 32950

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aagtgggtgt aaccgtagtg gagtgggttct agggtttttt gaggtgg 107

<210> 32951

<211> 103

<212> DNA

<213> Glycine max

<223> Clone ID: 700893384H1

<400> 32951

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cggcacctct ctccctccc ctgaaccctg ttccatcctc caa 103

<210> 32952

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700893386H1

<400> 32952

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ggaggggata aggccgagta tgagaagttt tgtaactctg agttgagacc cgcgttgagg 180

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<210> 32953

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700893387H1

<400> 32953

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 gatgatgacg aggaggtaga attagatgaa ttctatgatt atagcagcag ttatgtggat 180
 gcatcaaggc aagcagcttg ttgcatcttg tgatgcattt aacaatgtag aacttggttg 240
 tgggtctgag ctcataatca c 261

<210> 32954
 <211> 160
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893388H1
 <400> 32954

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 ttggcatgaa gctaggaatg gacatgcata ttctgcttgc tcggatgatg gaggggttaa 120
 atgcaagtgt cctgcaggct ttaaagggtga tgggtgtcaaa 160

<210> 32955
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893389H1
 <400> 32955

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 ctcttggttg atgcttttat tatagcccg gaatcatttt gttgatttat gctaaagcaa 120
 gtagccatgt tccgcttaaa attctttcaa tagaagatgg tactgggttg aagtcattca 180
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<210> 32956
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893390H1
 <400> 32956

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 gcgaaaagct agcaacaaag tttgcagcag tatctgctca agagaggggc caagagcaaa 180
 caagattaga tccaccagca cctcatgtag agttcaattt tggtaacact gcaaataatt 240
 tcaattctga ttctaggcag tgcaa 265

<210> 32957
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893391H1
 <400> 32957

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 catcacaaaa acagaaaaat gtgaaagttt cttcaacttt ttcaatcctc cccaggtctc 180
 agaggatgat gatgatattg atgacgatgc tgtcgaagag ctcgagaatt tgatggaaca 240
 gattatgaca 250

<210> 32958
 <211> 94
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893392H1
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 gaaccaacta tccactggga acttcaggc atca 94

<210> 32959
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893393H1
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ttgtggtgaa aaacaactca aaggggattc aatttcagat tccagttctg attcctgtga 120
 tcagtgcctt acacagggtt aggtttggct ttggcatctt acaagggaca taaggccaac 180
 catagtcttg atggttggtt atggattggg atgtgaaaga gtatgcttgg gatacacgtc 240
 gggttgaact ggctaattgg 259

<210> 32960
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893394H1

<400> 32960

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 agaagaatga gaccgtggga tcagaaactg aggcatattc catagctgat atgatgtctt 120
 atgtcaaagc agatgtttat actgtgaatt gtggcatggc atttgggtcaa gcagcaatgc 180
 ttctgtcgct tggaacaaag gggttatcgtg ctgtacagcc aaattcatct acaaaa 236

<210> 32961
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893395H1

<400> 32961

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 caccatcgat aacgtcaagg ccaagatcca ggacaaggag ggtatcccc cgaccagca 120
 acgtctcatc ttcccggaag agcagctcga ggacggagc accctcgccg actacaacat 180
 ccagaaggaa tcaagccttc acctcgctct ccgtctccgt ggtgg 225

<210> 32962
 <211> 276
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700893396H1

<400> 32962

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 gattccgcca ctcaatagta gcaaatagca attaagacat tcagatctta acccctaaga 180
 aaagtatcga aaaaagactc atagtccatc acccagcaag aaaaagaaa atcgaagagg 240
 aagagcaagg acacaacaca aagaagcana agaaga 276

<210> 32963

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 700893401H1

<400> 32963

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 tgacttgagg catttgagg agaatttgaa gaacacggc aagaacgttg tgagtcaagt 120
 tgctaagagg actctcacca ag 142

<210> 32964

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700893402H1

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 ctccatgcaa aagatgatcg tactagttat aactggcaag atagagcatg ggatctgcta 120
 aatcaggtta ttaacatgta aaactgataa tcataagctt ttttaggtat tggaaatcac 180
 tcacacaagg agcagaatct cctccttatt ttgttcagggt gtctatggat gtcaacttct 240

<210> 32965

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700893403H1

<400> 32965

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gcaccacaca cagcatatac acaaagaagc tctctttcac tatcaccact ctccctttcg 120
cttttcgtcc taaccaaaaa gaagaagaag atctaataaa ccaccaattc attcatcatt 180
tcaacaacgt gtgtgtgtgt gcgtgtgaat tattatggga ggggtgacgt cctcgatgg 239

<210> 32966

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893404H1

<400> 32966

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tcttcattct cttaaact tctcttttc tccttcgttt gatctgcatt aaaattgcat 120
aaatatataa aaaatgagaa gtttgtactc aagttagatt tgcattgatga caaggataag 180
cagaaggcct tgaaaacagt ttcaactctt tcaggaattg atgccatcgc catggata 238

<210> 32967

<211> 139

<212> DNA

<213> Glycine max

<223> Clone ID: 700893405H1

<400> 32967

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cttcttcctt ctcatcatct ttcagatccc tcttttcagg gtgacttgca gatctggcat 120
gtgtacaacc cctttcatg 139

<210> 32968

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893408H1

<400> 32968

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 aagcaccgcc aagccgcggc atcgagctca tcgcctccga gaacttcacc tccttcgcag 180
 tcatcgaggc cctcggcacc gccctcacca acaaatactc cgagggcatg 230

<210> 32969
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893409H1

<400> 32969

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 atacacaagt tattgagatc agtggtgatt ttctgatgg tggaaggaag atttgtgggg 120
 aagcaccgtg tggtttgcag atgctggatc catctctaag gattctgaag aaagatcaac 180
 ttctatgcga aagcttttca tggcagtggt ctttgtgtt attttcatga ctg 233

<210> 32970
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893410H1

<400> 32970

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 aactcctgc agatatgagc tctgttttac tggagagaag atggtgaagg ctataccagc 120
 aactcagatg catacccaga tacagagaag tctcaaaatc accatcacca tcaccatcct 180
 gcaaatggtg acaaagctga ttctgatgtc atggttgatg ta 222

<210> 32971
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893411H1

<400> 32971

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 catatggaat gacagccttt gaataccatg gaacagatcc aagggtttaac aagggttttca 120
 acaaggggat ggtgatcact ccacaatcac aatgaagaaa attcttgaga cctacactgg 180
 ctttgagggg cttaaattctc tgggtgatgt tgggtggagga actggagccg tag 233

<210> 32972
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893412H1

<400> 32972

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 cagccatggc aacaattccc cctagccgat catcatcaca cgcgtttgtt gccatggcaa 120
 ccttcacgac tctttgttgt gcacggcggc ggcgaaggag agcgtgtacg agatactccc 180
 caagtacggg ctcccagatg gtctgttacc ggataccgtc accgactaca aact 234

<210> 32973
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893414H1

<400> 32973

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 tcttgtgtat ggtcaatgaa tgagccccct ggtgcccggtg cccgtgttgg tcttactggg 180
 cttactgtgg ctgaacactt ccgtgatgct gaagggcaag atgtgcttct tttcg 235

<210> 32974
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893377H1

<400> 32974

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 caaaaggaat agtttgattg gaggagatga ctttaagagt ggtcagacca aaatgaaatc 120
 ggtgttggtg gatttcttag tagggggccg catcaagcca acatctatag tgagttacaa 180
 ccatttgga aacaatgatg gcatgaatct ctcagcccct caaaccttcc gctcgaagga 240
 aatttccaag agcaatgttg ttgacgat 268

<210> 32975
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893329H1

<400> 32975

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 ggctgaggag aaacaccacc accacttcca ccaccacaag ggcatgatg tgctggcga 120
 ggttgattat aagaaggagg agaagcacca caagcatctt gagcaccttg gggaacttgg 180
 tgctgcggct gccggtgctt atgccttgca tgagaagcat gaggccaaga aagaccaga 240
 gcatgctcac aggcacaagg tagaagagga g 271

<210> 32976
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893332H1

<400> 32976

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 gactaccagg agccggcgct ggccgactg gttgaccga cggagtttac gtcattgtcc 180
 ttttacagag cacggatagc agagtttggt gccacttacc tgtttctatg catcactgtc 240
 ttgaccgtca tgggagtcgc cggggctaag tctaagtga gta 283

<210> 32977
 <211> 115
 <212> DNA

<213> Glycine max

<223> Clone ID: 700893335H1

<400> 32977

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cggcagctgg agctctaggt ttttgaaggt ggctagtgc gctgccgcta cacc 115

<210> 32978

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700893339H1

<400> 32978

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agttacacaa aagggttttg aggttttcta tcaactctaaa gctcttagct cattcacctc 120

ttgggtggtg tggctatta tgtaaattac catttgtgca attttttctc agatctatcc 180

aacttctctt ttttatcctt tattctgttt gcaaategcc atcatcacca tttgatttgc 240

aagaccataa tttttctgct ttggtt 266

<210> 32979

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700893342H1

<400> 32979

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cagaaacccc gaattgataa ggggaattgg aaagtactcg aggtcgaga tgtaccacaa 120

gaggggcatt tgggctatca aggccaaaaa tgggtggcgtt ttacctcgcc acgaccctaa 180

acccaaacct gaaacacccg ctgaaaaacc acccaaattt taccctgctg atgatatcaa 240

gaagcccctt gtcaacaagc acaaacc 267

<210> 32980

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893343H1

<400> 32980

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acgacggcga acgacaacgc tgctgttgcg ccaatcgagg cggtgttggt ggtggtgcta 120
ctcgcggcga gtgtggtggt ggaggctcag gagaactcgg acgtgaagac gctggtgaag 180
cacatgcacg ggaagaagta ctgcgacaaa ggatgggaat gtaagggctg 230

<210> 32981

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700893345H1

<400> 32981

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ttgcttccat tgaagggtgt atgggagttt tccatgttgc tacaccagtc gactttgaat 120
taagagaacc agaagaagta gtgacacaaa gatccattga aggtgcactt ggcattttga 180
aggcatgcct caattccaag acagtgaagc gagttgttta cacctctagt gcctctgctg 240
tcgataacaa taaagaagaa attatggatg aa 272

<210> 32982

<211> 121

<212> DNA

<213> Glycine max

<223> Clone ID: 700893347H1

<400> 32982

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tggtcctgac atgggtggtg atggtgctgg ggcagccgag gatgattatg ctgctccttc 120
t 121

<210> 32983

<211> 283

<212> DNA

<213> Glycine max
 <223> Clone ID: 700893348H1
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 ctcttttttg ctcaatggtg atccaaaagt gaaaaatggt ggtgaactag tttttggagg 120
 tgttgatcct aaacacttca aaggagaaca tatctatggt ccagttacta aaaagggtta 180
 ctggcagatt gaaatgggag attttttcat tggaggtctc tcaacgggtg tttgtgaggg 240
 tggctgtgct gctattgtgg attcaggaac atctttgctt gct 283

<210> 32984
 <211> 222
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893351H1
 <400> 32984
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 accaaaacca gacaactgaa gctggaaggc accaagaggt tggccacaag agccttctcc 120
 agagtgatgc tctttaccag tatattctgg agaccagtgt ctaccaaga gaacctgaat 180
 ccatgaaaga actgagagag ttgacagcaa agcacccatg ga 222

<210> 32985
 <211> 109
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893352H1
 <400> 32985
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 cagatctccg atgctgtgct cgatgcatgc ttggatcagg accctgaca 109

<210> 32986
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893353H1

<400> 32986

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 taacctagat ttgccagaaa acaatcccc acaagtcatt gaggagccac aggctgctac 120
 tgctactgct ataagtggga gctgtggcag cagcagctcc tgctcaacta gcaatggtgg 180
 tgctacttgt aatagtaaca gtagtagtag tgtgtttgcg agtttggttg cttcttcaac 240
 agcatctgtg accctacaat ctcaaaca 268

<210> 32987

<211> 128

<212> DNA

<213> Glycine max

<223> Clone ID: 700893356H1

<400> 32987

gctcgggggtt cggctcgaga acacggcaca gacactgtgt ttgtgaaact cgctctcaca 60
 cacaagtcac aggacaact tgtgttggtc caatggcatc agcaacaccc cttttgaaag 120
 atgagctc 128

<210> 32988

<211> 100

<212> DNA

<213> Glycine max

<223> Clone ID: 700893357H1

<400> 32988

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 ttgagatctg atcatatcct tcagtaaagc agcaaagcag 100

<210> 32989

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700893358H1

<400> 32989

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 tattcaaccc tattcgactc gctggagggt tcgcctgtga accctaacga taaggccatg 120
 tcggagggttt acttagggaa gcagatctgc aacgtggtgg cgtgcgaggg aatggaccgc 180
 gtggaaaggc acgagacgct gaaccagtgg cggaaccggt tcgtttcgac cggattttct 240
 tcggtacact ggggttcgaa cgcgtac 267

<210> 32990
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893360H1
 <400> 32990

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 agcccacgaa gctttacaga ggggtgagac agaggcactg gggaagctgg gtggctgaga 120
 tcagacttcc caagaaccgg accaggctgt ggctgggaac cttcgacacc gccgaggaag 180
 ccgctctggc atacgacaag gccgcgtaca agctccgagg tgacttcgcc aggctcaact 240
 tcccaaacct gcgacaccag gggt 264

<210> 32991
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893361H1
 <400> 32991

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 aatcccagac ttttccttta actggaaaca caggccaaga tgtttctcaa gattttcccc 120
 cagaagctaa atccagacct actcaggggtg acattctgat tgatatcgag gacaggtttc 180
 cccgtgattg cctttatgac atgttctcca aagcaataat ttctgaagat ccctcaagca 240
 ttggtccatt 250

<210> 32992
 <211> 267
 <212> DNA

<213> Glycine max

<223> Clone ID: 700893362H1

<400> 32992

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 tgaagctact atcgtcactt gactacaaaa attgttgggg gtgtgtacat agcacgctga 180
 tagtttaagt tgattgacta gtatcagcta tagagacatg gagggcattt tcaagggtca 240
 cgcttggatg tacagtattt gtacagg 267

<210> 32993

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 700893364H1

<400> 32993

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 gaatctaatt gcaattcctg tgagccgtgg caaagctttt gaatttagtg cctctcctct 180
 ctgtttaccc ttccagatat tgcagataca gcaagatcat gagtgggact tcggaaaaga 240
 aacttgaag aatcgatggt agttctgata ctgtatgccc a 281

<210> 32994

<211> 117

<212> DNA

<213> Glycine max

<223> Clone ID: 700893365H1

<400> 32994

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 gtcgtctgag accatgttta ttcccgacgg cgtgagcatc aaggttcacg ctaaggt 117

<210> 32995

<211> 109

<212> DNA

<213> Glycine max

<223> Clone ID: 700893368H1

<400> 32995

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tgtgaatgtg aatgttgatg ccaacggaga actcatgtat gtcaaggtc 109

<210> 32996

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700893369H1

<400> 32996

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aaaatggcgc gtaagaagat cagagagtat gactcaaaga ggttggtgaa ggagcacttt 120

aagagacttt ctggcaagga gttgccgatc aagtctgcac aaattactgc atcaactgat 180

ttcactgagc tacaagagaa ggaaccctgg ctttcatctt ctaaattggg tgtgaaactg 240

acatgttatt tggaaagcgt ggcaa 265

<210> 32997

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700893370H1

<400> 32997

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eggctgttgt tacaacaaat gcagaaactg tggttgtgag ccctccgggt ctacaagaag 120

gcataaatga agaaactgct aaggaccctc aaggtcgatg ctttgtgcga ccatctggca 180

ctgaagatgt tggtcgtgtg tatgctgagg catccacaca gg 222

<210> 32998

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700893371H1

<400> 32998

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tagtgatgct ggatatttca attaagactc tctaggtgaa gattggactt cgagttctta 120
ctcgcgccgt gcccaaccaa ttacctacgg tttatcggac tcttgagag agttatactg 180
caagggtttc accttcaatc atacatgaaa ctttgaaagc cgtggttgcc cgttacaatg 240
ccagccagct tatttatcag cgagaggctg tta 273

<210> 32999

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700893327H1

<400> 32999

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acgacgcgac acgacaccgt ttcgatggtg gtgaagatga tgcggtggag gctcgtggcc 120
ccctctcgtc tcgaagaagt acgaggttaa gctcgtcgtg aaaaccctca ctctccagag 180
ctgcgatctg gtgcgtgcgt ccgcagagaa aggcttcatg ctccagatta agtggaaggg 240
tccaagctt accctaagct cgctgagacg ca 272

<210> 33000

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700893372H1

<400> 33000

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aagaatcaaa tgggctaagg cagtcttcta gaaaagatta tttttcactg gctttagttt 120
acacgtgctc atttagttag gatgatcagt aaattagtgt ttctttcaag taggagaaga 180
aatagtga aa gcatacagtc tttgatattg agaagaaaaa aaaaagttag acaattctgg 240
tgaaatgtga tgactaga 258

<210> 33001
 <211> 217
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700893373H1

 <400> 33001

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 ttgcagcaat gttggtggtt gtgagtggac aatcatcagt gaagcctttg gtgaagacag 120
 tgaaggggaa gaaggtgtgt gacaaagggg gggagtgcaa aggttgggtct gcatattgct 180
 gcaatgagac tatctccgac tacttccaga catacca 217

<210> 33002
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700893374H1

 <400> 33002

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 gatgcgcaac caggtctgct ccatcaccaa ctacacctgc caccttcaag accgtcgcac 120
 ttttctcaa gaagaagcca gctccacctc caaagaaaaa gcctgccgct gtatcccccg 180
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 tcttgacggt atctgagat 259

<210> 33003
 <211> 230
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700893288H1

 <400> 33003

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 ggacaagtac tcgcagtctt catcgctgcc gcatcatttg gaaatccact ggttctcgat 180

tatcaactcc tgtgtgacgg tgttgctctt gaccgggttc ctgcccacca 230

<210> 33004
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893289H1

<400> 33004

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 catcttattg ttggagcgat catcaccctc atcaatccaa ggaataatga tctttgtttt 120
 tttgtgtttg ggagtacaaa atgtttcgta cgtgaaacaa atatagataa tatgatatga 180
 taccagaggc tagctagcta aagaataaat gtttttactg taatgtatgt 230

<210> 33005
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893290H1

<400> 33005

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 gttcaagagc aaggatgcga gtactctgca aaagactacc atgacctcc tccagcacc 120
 ttgttcgacc cagaggagct cacagagtgg tccttttata gagccctaata cgctgagttc 180
 atagcaaccc ttctcttctt ttatgtcacc gtgtcacca ttattggcta g 231

<210> 33006
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893292H1

<400> 33006

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 gttttgtctc tgcttatgat ttgaatttta gaataaattt ttaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaaa aagtaaaaaa agaaaaaaaa 180

aaaaaggaaa aaaaaaata aagagaaaaa aaaggggggg ggggccatta

230

<210> 33007
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700893293H1

<400> 33007

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gcaccccttg atcatgccgg ggccatttca gtaattaggt ctgcaccaa ttcacttgag 120
gatgcagaag ttgagcgatt caagttgagc ttgatgaaaa ggtttcaaga tctcagatac 180
gatgatgtgt catcatgagt tgaggtgcat gcctatttgt tttttttttt tggg 234

<210> 33008
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700893294H1

<400> 33008

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cctgctgttc tgaagggttag ggattggtat gtggattctt tccgtgatgt cagagccttc 120
cctgacatca agaatgtgaa tgatgaaaga gagttcactg aaatgattaa ggccatcaaa 180
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<210> 33009
<211> 239
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700893296H1

<400> 33009

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taactagcac tcttcattca agggtgaccc tccggaatcc aaggctgaga gtctttgcca 120
agaagtctgg atcattccca tcttttgggc taggcaagcc caaagatgat tcttcttctt 180

caactgaaga aaaagatggc tcatccaatt ccaanccctt tcgtttggac ttcggaaag 239

<210> 33010
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893303H1

<400> 33010

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atgttggcaa gaacaagggg aacagtgaag ctggcatgca aaatgaaaaa ttatatgctg 120

cagatgggat gctt 134

<210> 33011
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893304H1

<400> 33011

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gccacgatat ggtcttgaag tagggcttac aaattatgct gcagcttatt gtactggctc 120

cctgttggcc cgaagagtcc tcaaaacact tgaaatggat gaggagtacg aaggaaatgt 180

tgaggctact ggagaggact attcagtggg acctgctgag agca 224

<210> 33012
 <211> 117
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893305H1

<400> 33012

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atcaaaaggg tttgatgggc ttgcaatgtc aataggcaat tgcaatgctg agagtgc 117

<210> 33013
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<212> DNA
 <213> Glycine max
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 gatttaaaag gttcttcctt tggaagatca tcagacaaga tagaaattga tgagagtact 180
 acgctcaaag atttgatct gaactacagc ttctacctgg aaccatcttg gcgagagtct 240
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<210> 33014
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893308H1
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 tatgtttcct ttatattaaa ttaattatca aattaaaagt caggtagatt gaaggttggt 180
 gaagttatat aggggttttag gtattgtgga aagaatttag agaatacaaa tcataaagca 240
 ttaactctta actaaatcat agtaaga 267

<210> 33015
 <211> 120
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893309H1
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<210> 33016
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<212> DNA
 <213> Glycine max
 <223> Clone ID: 700893310H1
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 aaatctgctt acagggtcaaa atttacttgc tatcgaggag agatatgaga agatccttgg 180
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 gtcttctagt gcaaaagaag acatcaatgt t 271

<210> 33017
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 <223> Clone ID: 700893311H1
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 ccgagcgaac tctgtaccca tacgtgactg gatcctctgt agtcgctatc aaatacaaag 180
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<210> 33018
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700893312H1
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 aacatctgct atggcatttg gagatgctgg aatgtttggt aatatgcaga taggaaaatg 180
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<210> 33019
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893313H1

<400> 33019

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 cgtggatcag cttctagcag tgaaaacaac agaattaaag ttcatttgcc gcagagggaa 180
 tcaagaactg gaagtgggtgg gggaagcagc actagggagc aacagcagga tgattcttcc 240
 ctgctcgcgc atcctgggtga acttgttgta tgcaa 275

<210> 33020
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893315H1

<400> 33020

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 aatcctgcat tcagtttaga aaaattgaag attatgttac caatattctt caaaagttgc 180
 aatgatctaa ttatcaagtg ggaggggaatg tggcctaattg atggaccatg tgaaat 236

<210> 33021
 <211> 192
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893316H1

<400> 33021

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 tatgaaattt tgtttggtgc gctttcgac tggcttgag gggtgagtga gagttgtgac 120
 gtgttgaggt ttatgtaccg agaaactata ggttcttcca aaggatattg tgatatattc 180

192

<400> 33022

tgtagtttca aaacttcaga attatgtagt atgtattatg ttgcactctg gtggttttgtg 120

<400> 33023

tgaagcagag tccaacacac accaagagca agagaaggag aagcttttggg tcaaaa 116

<400> 33024

gttctctgca tttcggcgga cctcttgagg c 271

$\langle 210 \rangle$	33025
$\langle 211 \rangle$	268

<212> DNA
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<223> Clone ID: 700893322H1

<400> 33025

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caatggcaac tgcgaggacc gtgaaggatg tttcgctca cgatttcgtg aaggcttatg 120
cttctccct caagcgttcc ggcaagatgg agcttcctga gtggaccgat attgtaaaaa 180
cagcaaaatt taaggagttg gctccatag atcctgactg gtactacatt agggctgcct 240
caatggcaag aaagatctat ttgagagg 268

<210> 33026
<211> 187
<212> DNA
<213> Glycine max

<223> Clone ID: 700893323H1

<400> 33026

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acatcttggg gtaagtccaa tcgatatagc agctatgtct acgcttgaaa ttgaagctcg 120
agatgtcatc acaattgtgc ttcagttttg caaagagaat tcgttgcac agacttttca 180
gatgctg 187

<210> 33027
<211> 228
<212> DNA
<213> Glycine max

<223> Clone ID: 700893324H1

<400> 33027

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caactgctcg cctgatcaac taagtaaatt gcaaggcttc aagagtgaat tcgaaagggc 120
attgagttag gtaggagatt ctccatctaa aggaatgttt attgactctt gctatgccca 180
ctgccaaaca gaaccacagg agacatggtt aaagactgac tctcaaaa 228

<210> 33028
 <211> 270
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700893325H1

 <400> 33028

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 tcgcggcggc tcccaccact tcctcggcac cccagccac agccccctct aaacctaaac 180
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<210> 33029
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 <212> DNA
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 <223> Clone ID: 700893287H1

 <400> 33029

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 gatctcaaga gttcatcag gcctgaaagt ggccccagaa aaccggtttc ctctgacgac 180
 agtaagaagg atccaccttc accccaaggc cagggtgaaa cgcattccag 229

<210> 33030
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700893326H1

 <400> 33030

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 aaccaaggag gaaagtactg aggccccacg acctgcagct tcagaagaca agccctcggt 120
 tgaagttcag actaaagagg tggcagagga agttgtgtct gagaccatca cacaagagcc 180
 aacagttgag aagcaagaag ctgctgaggg aacaaaagaa aatgccgatc ctgctgag 238

095413-03200

<210> 33031
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<213> Glycine max

<223> Clone ID: 700893251H1

<400> 33031

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gccgctgaca cctccgcgcg cgctcctgtc cctccaccgg cgaacttctg gtcgcgcgag 120
tccgactcgc tccccgccac cgacacggtg ttttccgaca actccgtgac ggacctctcg 180
gccgagctct ctgttccgta tgaagacatt atgcaattgg aatggctgtc ca 232

<210> 33032
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<212> DNA
<213> Glycine max

<223> Clone ID: 700893253H1

<400> 33032

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tcggcgcagt atggtggatc tggcttgacg cggctgtctg aatcttggtc accgttcctt 120
tccatcacta ccttaccgta gttttcgcac ctttagcggc tttgatgtc aattgcgtta 180
gaccagaaga catcgattat tctccatatg acgaag 216

<210> 33033
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<212> DNA
<213> Glycine max

<223> Clone ID: 700893255H1

<400> 33033

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ttgctgcggt ggtaactgtg gttgcggaag ctctgcaag tgccggaacg gctgcggagg 120
ctgcaagatg taccagact tgagctacac tgagtcaacc accaccgaga ccttggtcat 180
gggagtggca cctgttaagg ctcaatttga gcgtgctgaa atgggtgtgc ccg 233

<210> 33034
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893256H1

<400> 33034

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 attttatcgt tggagaaagc aaaaaagggt gtagttgttg gaggtgggta tataggaatg 180
 gaggttgctg ctgctgctgt tgggtggaaa cttgatacaa caatcatatt ccc 233

<210> 33035
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<223> Clone ID: 700893257H1

<400> 33035

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 gatctcttga catcgaacgc cctacctaca ccaacctgaa ccgtctcggt tcccagggtga 120
 tatcatccct cactgcctct ttgaggtttg atggagcact gaatgttgat gtgactgagt 180
 ttcaaaccaa cttggttctt tacccaagga tccatttcat gctttcctcg tatgcc 236

<210> 33036
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893258H1

<400> 33036

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 actctttgac gaatcaacta accttctaca gtcttccaat attcaatttc taatcgctga 180
 gttcatagca atacttctct tcctttatgt catcgtgctc accattattc gcta 234

<210> 33037
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700893259H1

 <400> 33037

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 tagctacaag ttgggaatag caaagtccat tggcatacgc aattatggta tcaaaaaact 120
 cactaaactc ttggaaatag ccaccattcc tctgcagtc aatcagggtg aaatgaaccc 180
 atcttggcag caagggaaac tcagggagtt ctgcaagcag aaaggaattc atgttagt 238

<210> 33038
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700893260H1

 <400> 33038

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 cccctctcct cgtcgccctc gccgacaccg tcttccgcag ccagccctgc cctccaacc 120
 tcaccttctt ctccctctc gtcacctctg ccggctcctt ctgctacgtt gccaccgact 180
 ccgccttcac cctcaccgcc tactcctggg ccttcgccta cctcatcacc atcacca 237

<210> 33039
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700893262H1

 <400> 33039

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 gtgaagcaaa tggtagttgc tactcttgct gaatctggca tgaacctatc agatgacgtt 120
 atagaaagta taattgacaa gaccttcgag gaagcagata caaagcatga tggcaagatt 180
 gacaaggaag agtggagaaa ccttggtttg cgccatccgt cacttttgaa gaacatgacc 240

<210> 33040
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893264H1

<400> 33040

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 acccaggaaa caacccagct cactgaggct cctgcaacag aacaaccagc agctgagggt 180
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<210> 33041
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 <212> DNA
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<223> Clone ID: 700893266H1

<400> 33041

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 caacgactca caacgtcaag ccaccaagga cgctggtgtc atttctgggc tcaacgtgat 120
 gcgaattatc aacgagccta ccgcggctgc cattgcttat gggctcgaca aaaaggccac 180
 tagctctggg gagaagaatg ttctcatctt tgatctcggt gccgggactt ttgatg 236

<210> 33042
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 <212> DNA
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<223> Clone ID: 700893268H1

<400> 33042

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 gaagtttgag gatctaaagg aacttggtag tgagtcagct gtgaaggctg ctggaaagta 180

taaacaggaa gggaaaacgt atgtggtcca agatggagac attatattct 230

<210> 33043
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893269H1

<400> 33043

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 gtactctttt gacttgagct atgttgagaa gacaaccaca gagactcttg ttttgggtgt 180
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<210> 33044
 <211> 231
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 <213> Glycine max

<223> Clone ID: 700893270H1

<400> 33044

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 tagtttaagt taattcaacc atggaagaca gggatcactg ttgttccaac aattcaacga 180
 tgatcacaac aacaaagaaa agaacgggta gaagaagtcc aacatcggat a 231

<210> 33045
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 <212> DNA
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<223> Clone ID: 700893271H1

<400> 33045

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 tcaagttaat gagagatggc atgaattccc gtatattgct ggacgctgca aaaagttgca 120
 tattggcttc ttctcctgtt ttcagaaggc aacaattctt gataaggtgt gtgggaggct 180

ccactgatca aagagacatg caagccctta ggtctcttga ggttgactct c 231

<210> 33046

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893273H1

<400> 33046

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tgccttgacc cttggcagtt tcagctttca aaagggttgg agtttttctt cctcataagc 120

cactgaatag tccaaatttt tcttttttct tttttttccc ctctctctct ctctctctaa 180

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<210> 33047

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700893274H1

<400> 33047

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attgctcttg gtgcgctgaa gtattcattt tttattttta cttttgccct tcatgatgat 180

gactatcaga caaaatttct catttctcta ctattaatgt gacagtaaaa tttaa 235

<210> 33048

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700893275H1

<400> 33048

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tttgcaagat ggctaaggaa aaggctcaga tcaacattgt ggtgggttgg catgtggacc 120

ctgaggaggc aaccaccatt aacgagctga agaagcctgt tgtggagaaa gaagctccag 180

ggcatgccat atgagggcat gcacgtacgg cctcggaggg gaaccagaa

229

<210> 33049
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<212> DNA
<213> Glycine max

<223> Clone ID: 700893276H1

<400> 33049

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agagcagggt cccctgatat ctacatattc tcattattct gtccagaaac taactacact 180
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<210> 33050
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<212> DNA
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<223> Clone ID: 700893277H1

<400> 33050

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acatgaagat tccgaacgct ccaggcggcg gtgcgtcttc tgcgctgctg aagcttgggc 180
ttcttggtgg aattggttta tatgcagctg ctaacagtct ctacaacggt gaagg 235

<210> 33051
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<223> Clone ID: 700893278H1

<400> 33051

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agctctgcga ccaaactctc gatgctgtcc tcgacgcttg cctcgagcag gaccagata 120
gcaaagttgc ctgcgaaaca tgcaccacaa ccaacttggg catggtcttc ggaggaatca 180

cgaccaaggc caacgttgac tacgagaaga tagtgcgta cacctgcagg gacat 235

<210> 33052
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<212> DNA
<213> Glycine max

<223> Clone ID: 700893280H1

<400> 33052

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atgttactat atatgggaac gtacaacaga gaacaataga ggttgtgtat gatgttggag 180
gtgggagaat tcggtttcgt gctagtgggt gcaagtgatt aatgattaaa catgctttgg 240

<210> 33053
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700893281H1

<400> 33053

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aaaggtcatt ggctttatgc taatggtagc cgctcatatc cacaattcag catagatgca 120
tcgtcactcg atgaggatct ctatgctgtg agctactctg agatgccttg tggagttcac 180
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<210> 33054
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<212> DNA
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<223> Clone ID: 700893283H1

<400> 33054

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tggacttcta attagtctaa ggtaatctaa attagagtcc tctctctctc tctctctcat 120
ttttttacat ttctttattt tgttgctgta ctttttgtct cttggaaaag aattttaatt 180

tctatacact atattcaaag atggacaagg ttacgaggtt g

221

<210> 33055
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893284H1

<400> 33055

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 gtcttattga gatgtcggaa agatgacctg cacttggttag agcatgtgct ggattcagct 180
 gcacaggagt atgctgagaa agttaatgtt gatccccag agatcattg 229

<210> 33056
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893250H1

<400> 33056

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 ctgctttgct agacatagggc caaaatcgtg tcatagatgc ttcacttaga cttattcgag 180
 aaagagcaca gcctaaggca taacttctgc gtgctttggg acgcgctata gcaacttcaa 240

<210> 33057
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893285H1

<400> 33057

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 ccacagcaaa accttagatt ttctgaaatt gggaatactt tttctcaact tggcgattcc 180

tatgctgttt cttcaagggtt agatcaatcc caagtcagta atctaggcc

229

<210> 33058
 <211> 100
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893286H1

<400> 33058

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accaagccac aaaaaaaacc tcacacaact cccatggagg .100

<210> 33059
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893217H1

<400> 33059

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tgcattcccg cttttgcaat actccccaag tctccgatgc actgcgcttg aagcatgtgc 120

acatcctttc tttgatgaac ttcgataacc ccatgctcgc ctgccatatg gtcgtccatt 180

tcctcctcta tttaacttca aacaggaatt atctgaagta tctcgagtgc ttgtta 236

<210> 33060
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893218H1

<400> 33060

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tttaatgggc cccactcgct cacgtgtcag accacattgc ttctcgtttc cagcgtggag 120

gacacccttt tgcccaagat tgagtttttg aagggcttgg gggttactca cgaagagggtg 180

gctaacatgg tcgtgatgtc acctgggttg ttgactctta gtgtgga 227

<210> 33061
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893219H1

<400> 33061

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 gctgtaattt aatacacgag actagcagtt ctttttcgat gggttcctttt gagtgaacaa 120
 aaccttgtac ttctcatcag ctttcttttg agagatctta aagacgacat tgactgctat 180
 caacaataaa gtggatcaat cattaaaggc ttacttcttc ttcttcttct tcttctt 237

<210> 33062
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893220H1

<400> 33062

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 tcaaggggct ggtcgggtta tcatcatcgc atcgatgata ctttcattcg agctccatt 120
 cgcattaatt ccactcctta agttcagcag cagcagtacc aagatgggac ctcaacaagag 180
 ttctataatt atcattgtca tctcttggat cctaggcttg gtgatcattg gtatcaa 237

<210> 33063
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893221H1

<400> 33063

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 agaagcatgt ccaactgtggc gaaagcgggtg gaggacatca ccggcactgg caacaccaag 120
 atccgcaaatt cttccagcga gctgctgcac cttcctcggc atccctcgcc aatctcgttc 180
 cgaaatcgct ctcatctctt ccaagttcat caaactctat aatttcaaga gtccccgga 239

<210> 33064
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700893222H1

<400> 33064

actcaatcct gcatggaccc caatgtgatg gaggctaagg tgggtggtgag ttcttgtggc 60
catgatggac cctttggcgc cactggggtg aagaggctca agagcattgg gttgattgat 120
agtgtgccag ggatgaaagc ccttgacatg aacaaggcag aggatgccat tgtgaagctc 180
actagggagg ttgtgcctgg catgattgtt actgggatgg aagttgctga gattgat 237

<210> 33065
<211> 208
<212> DNA
<213> Glycine max

<223> Clone ID: 700893223H1

<400> 33065

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taacgccctt tcccaaagag gttgtgagtc tcaagaatct caattgggtc tacctatcga 120
actgcaccct cggatggaag cttccggtag gactcggcaa cctcacggag ctcaccgaat 180
tagaattctc cgataacttc cacacaac 208

<210> 33066
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700893224H1

<400> 33066

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aatcccagtc agaagaagaa tgtgctcagc ttgtgaggct tcttctcca acagaagctg 120
ctttgctaga ttgggcaata aacttaatgg cagatgttgc tcaaatggaa aactgaaca 180
agatgaatgc acgcaatatt gcaatggttt ttgctccaaa catgactcaa atggc 235

<210> 33067
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893227H1

<400> 33067

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 gtactacaag ttgggaatag caaagtccat tggcatatgc aattatggta tcaaaaaact 120
 cactaaactc ttggaaatag ccaccattcc tctgcagtc aatcaggtgg aaatgaaccc 180
 atcttggcag caagggaaac tcaggaggtt ctgcaagcag aaaggaattc atgtta 236

<210> 33068
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893228H1

<400> 33068

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 atgaaaagat ttttttctgt tcctttgtct tcaaaacttc tgaatcaaaa gcaacctcat 120
 attttcaatc cttaaagcca tattattttt ctgttcacct ttgaattctt tcattttccc 180
 acttttggtt tcattctttt gtgtctgtgg aaggaacctg tgtggttatg tgctcagaaa 240
 c 241

<210> 33069
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893230H1

<400> 33069

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 ttgttccgat cactgagttg cagatcttat catttcgttc ttcgctcttc tcttctctct 120
 cgctctccca atcctcttcc ttctccttca cctcagaat gcaggtctcc tctctcaatg 180
 gggttaggga gtatgagatt ctatagtga gatgtgaccc acatgcccaa tattaaggac 240

cctgt

245

<210> 33070

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700893231H1

<400> 33070

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agtccatgat ttcaccgtta aagatgccaa gggaaatgat attaattcttg gtgactacaa 120

aggaaaggtc cttatcattg tcaatgttgc ctcaaatgt ggcttgacta attcaaatta 180

cactgagctc agtcagttgt atgagaaata caaacagaaa ggtctggaaa ttctggcatt 240

tccatgca 248

<210> 33071

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700893232H1

<400> 33071

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ggaatgaatt ggaatcggat cgtgtcgtag ccaccgctcc tacctggcgc cgtctttcac 120

tttctgcttc tcccatctcc cactaaacaa ccatggacct ggatcctcgc caatacgaaa 180

accttgctgt aatgataat gacatccaca acattgttct gtcatatctt atacataatt 240

gctacaaa 248

<210> 33072

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893233H1

<400> 33072

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ctcacctgaa aatgtcttgc tgcggtgta actgtggttg cggaagctcc tgcaagtgcg 120
 gcaacggctg cggaggctgc aagatgtacc cagacttgag ctacactgag tcaaccacca 180
 ccgagacctt ggtcatggga gtggcacctg ttaaggctca atttgagggt gctgaaat 238

<210> 33073
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893234H1

<400> 33073

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 ctcaccatgg ctctatcacg tttgttccac cgcagcatca caacacactc tcacaaaacc 180
 cttctccgcc gccgcgcct cctcccgttc gatctccacc tcggacaccc ccttaacaat 240
 cgagacctct gtccccctca cc 262

<210> 33074
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893235H1

<400> 33074

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 ccgtgataag ataagattga aaagatgttt agggacgtgt caagctgcaa cacgtacaac 120
 tacggcgagg ctgggtattg ggacgcgcgc tacatccaag agggtggttc cttcgattgg 180
 taccagcgtt actctgctct caggcctttt gttcgcaatt tcatccctct ttctt 235

<210> 33075
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893236H1

<400> 33075

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 accacgaccc acccttcgcc ccattctacg accccgccga gctccgaaag tggtccttct 120
 tccgagccct catcgccgag ttcgtcgcca cctcctctt cctctacgtc accatcctca 180
 ccgtcatcgg ctacaaccac cagacagtca ccgccgccga gccctgc 227

<210> 33076
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893237H1

<400> 33076

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 gtcacagtt aattattggg gaagtgataa ctaccagtg tttctaagca acatggcttc 120
 ttcacctct tctttgtcca acattttgga gtcaccttca ttttctggga gtgaattcgg 180
 gtgctggaat ccaacccttt cctggtctga ccttcccact accaatggag catatc 236

<210> 33077
 <211> 217
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893238H1

<400> 33077

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 ttcggtaccg gctggaccag gtcttgata gagatgagat gctttcggct taagaaaact 120
 tcgttaaccg gggaaaccaa acgcaggatc ggcggcagct attggcatag gaagtacgtc 180
 gaggaggttc tctactacta agaataatct catccac 217

<210> 33078
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893239H1

<400> 33078